# Fall 2016 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including USACE Erosion Survey

#### Sacramento River Basin

| NA0004   | Overall LMA  | Total LMA                           |  |  |   |                                 |                                       |               |
|--|--|-------------------------------------|--|--|---|---------------------------------|---------------------------------------|---------------|
| Marysville Levee Commission  | Rating   | Miles                               |  |  |   |                                 |                                       |               |
|  | U  | 11.27                               |  |  |   |                                 |                                       |               |
| Rated Item   |  | Maintena                            | nce Deficiancy                               |  | Enforc                                    | ement                           | Design 8<br>Obsole                    |               |
| Rateu item   | M Miles  | U Miles                             | M + 4U Miles                                 | Threshold %                            | M Miles                                   | U Miles                         | M Miles                               | U Miles       |
| Earthen Levee  | 5.00   |                                     | 5.00   | E4 750/                                |   | 4.04                            |                                       |               |
| Vegetation<br>Encroachments  | 5.83   |                                     | 5.83   | 51.75%                                 | 0.14                                      | 1.91                            | 0.22                                  |               |
| Animal Control   | 0.04   |                                     | 0.04   | 0.26%                                  | 0.14                                      |                                 | 0.22                                  |               |
|  | 0.04   |                                     | 0.04   | 0.36%<br>1.15%                         |   |                                 |                                       |               |
| Slope Stability Supplemental   | 0.13   |                                     | 0.13   | 1.15%                                  |   |                                 |                                       |               |
| DWR UCIP Field Study   |  |                                     |  |  | 0.26                                      | 0.05                            |                                       |               |
| LMA Totals:  | 6.00   | 0.00                                | 6.00   | 53.26%                                 | 0.40                                      | 1.96                            | 0.22                                  | 0.00          |
| Unit No. 01 Simmerly Slough LB   | Overall Unit<br>Rating                               | Total Unit<br>Miles                 |  |  |   |                                 |                                       |               |
| NA0004   | Α  | 3.23                                |  |  |   |                                 |                                       |               |
|  |  |                                     | nce Deficiancy                               |  | Enforc                                    | ement                           | Design 8                              |               |
| Rated Item   | M Miles  | U Miles                             | M + 4U Miles                                 | Threshold %                            |   | U Miles                         | Obsole:                               | U Miles       |
| Earthen Levee  |  | 000                                 |  |  |   | 000                             |                                       |               |
| Encroachments  |  |                                     |  |  |   |                                 | 0.22                                  |               |
| Animal Control   | 0.03   |                                     | 0.03   | 0.93%                                  |   |                                 |                                       |               |
| Supplemental   |  |                                     |  |  |   |                                 |                                       |               |
| DWR UCIP Field Study   |  |                                     |  |  | 0.06                                      | 0.01                            |                                       |               |
| Unit Totals:   | 0.03   | 0.00                                | 0.03   | 0.93%                                  | 0.06                                      | 0.01                            | 0.22                                  | 0.00          |
| Unit No. 02 Feather River LB   | Overall Unit<br>Rating                               | Total Unit<br>Miles                 |  |  |   |                                 |                                       |               |
| NA0004   | Α  | 1.25                                |  |  |   |                                 |                                       |               |
| 2  |  | Maintena                            | nance Deficiancy Enforcement                 |  | Design 8                                  | System                          |                                       |               |
| Rated Item   |  |                                     |  |  |   | ement                           |                                       | scence        |
|  | M Miles  | U Miles                             | M + 4U Miles                                 | Threshold %                            | M Miles                                   | 1                               | Obsole<br>M Miles                     | U Miles       |
| Earthen Levee  | M Miles  | U Miles                             |  | Threshold %                            |   | 1                               | Obsole                                |               |
|  | M Miles  | U Miles                             |  | Threshold %                            |   | 1                               | Obsole                                |               |
| Earthen Levee  | M Miles  0.01  | U Miles                             |  | Threshold % 0.80%                      | M Miles                                   | 1                               | Obsole                                |               |
| Earthen Levee Encroachments  |  | U Miles                             | M + 4U Miles                                 |  | M Miles                                   | 1                               | Obsole                                |               |
| Earthen Levee Encroachments Animal Control Slope Stability Supplemental  | 0.01   | U Miles                             | M + 4U Miles<br>0.01                         | 0.80%                                  | M Miles                                   | U Miles                         | Obsole                                |               |
| Earthen Levee  Encroachments Animal Control Slope Stability Supplemental DWR UCIP Field Study  | 0.01   |                                     | 0.01<br>0.05                                 | 0.80%<br>4.02%                         | 0.04<br>0.02                              | U Miles                         | M Miles                               | U Miles       |
| Earthen Levee Encroachments Animal Control Slope Stability Supplemental  | 0.01   | U Miles                             | M + 4U Miles<br>0.01                         | 0.80%                                  | M Miles                                   | U Miles                         | Obsole                                |               |
| Earthen Levee  Encroachments Animal Control Slope Stability Supplemental  DWR UCIP Field Study   | 0.01<br>0.05<br>0.06<br>Overall Unit<br>Rating       | 0.00 Total Unit Miles               | 0.01<br>0.05                                 | 0.80%<br>4.02%                         | 0.04<br>0.02                              | U Miles                         | M Miles                               | U Miles       |
| Earthen Levee  Encroachments Animal Control Slope Stability Supplemental  DWR UCIP Field Study Unit Totals:  | 0.01<br>0.05<br>0.06<br>Overall Unit                 | 0.00 Total Unit                     | 0.01<br>0.05                                 | 0.80%<br>4.02%                         | 0.04<br>0.02                              | U Miles                         | Obsole<br>M Miles                     | U Miles  0.00 |
| Earthen Levee  Encroachments Animal Control Slope Stability Supplemental DWR UCIP Field Study Unit Totals:  Unit No. 03 Yuba River RB  | 0.01<br>0.05<br>0.06<br>Overall Unit<br>Rating       | 0.00  Total Unit Miles 6.79         | 0.01<br>0.05                                 | 0.80%<br>4.02%                         | 0.04<br>0.02<br>0.06                      | U Miles                         | Obsole M Miles  0.00                  | U Miles  0.00 |
| Earthen Levee  Encroachments Animal Control Slope Stability Supplemental  DWR UCIP Field Study Unit Totals:  Unit No. 03 Yuba River RB   | 0.01<br>0.05<br>0.06<br>Overall Unit<br>Rating       | 0.00  Total Unit Miles 6.79         | 0.01<br>0.05<br>0.06                         | 0.80%<br>4.02%                         | 0.04<br>0.02<br>0.06                      | 0.01<br>0.01                    | Obsole<br>M Miles                     | U Miles  0.00 |
| Earthen Levee  Encroachments Animal Control Slope Stability Supplemental  DWR UCIP Field Study Unit Totals:  Unit No. 03 Yuba River RB  NA0004  Rated Item  Earthen Levee  | 0.01 0.05  0.06  Overall Unit Rating U               | 0.00 Total Unit Miles 6.79 Maintena | 0.01<br>0.05<br>0.06<br>0.06                 | 0.80%<br>4.02%<br>4.82%                | 0.04<br>0.02<br>0.06                      | 0.01<br>0.01<br>U Miles         | Obsole M Miles  0.00  Design & Obsole | 0.00          |
| Earthen Levee  Encroachments Animal Control Slope Stability Supplemental  DWR UCIP Field Study Unit Totals:  Unit No. 03 Yuba River RB  NA0004  Rated Item  Earthen Levee  Vegetation  | 0.01<br>0.05<br>0.06<br>Overall Unit<br>Rating       | 0.00 Total Unit Miles 6.79 Maintena | 0.01<br>0.05<br>0.06                         | 0.80%<br>4.02%<br>4.82%                | 0.04 0.02 0.06 Enforce                    | 0.01<br>0.01                    | Obsole M Miles  0.00  Design & Obsole | 0.00          |
| Earthen Levee  Encroachments Animal Control Slope Stability Supplemental  DWR UCIP Field Study Unit Totals:  Unit No. 03 Yuba River RB  NA0004  Rated Item  Earthen Levee Vegetation Encroachments                               | 0.01 0.05  0.06  Overall Unit Rating U  M Miles 5.83 | 0.00 Total Unit Miles 6.79 Maintena | 0.01<br>0.05<br>0.06<br>0.06<br>M + 4U Miles | 0.80%<br>4.02%<br>4.82%<br>Threshold % | 0.04<br>0.02<br>0.06                      | 0.01<br>0.01<br>U Miles         | Obsole M Miles  0.00  Design & Obsole | 0.00          |
| Earthen Levee  Encroachments Animal Control Slope Stability Supplemental  DWR UCIP Field Study Unit Totals:  Unit No. 03 Yuba River RB  NA0004  Rated Item  Earthen Levee  Vegetation  | 0.01 0.05  0.06  Overall Unit Rating U               | 0.00 Total Unit Miles 6.79 Maintena | 0.01<br>0.05<br>0.06<br>0.06                 | 0.80%<br>4.02%<br>4.82%                | 0.04 0.02 0.06 Enforce                    | 0.01<br>0.01<br>U Miles         | Obsole M Miles  0.00  Design & Obsole | 0.00          |
| Earthen Levee  Encroachments Animal Control Slope Stability Supplemental  DWR UCIP Field Study Unit Totals:  Unit No. 03 Yuba River RB  NA0004  Rated Item  Earthen Levee  Vegetation Encroachments Slope Stability Supplemental | 0.01 0.05  0.06  Overall Unit Rating U  M Miles 5.83 | 0.00 Total Unit Miles 6.79 Maintena | 0.01<br>0.05<br>0.06<br>0.06<br>M + 4U Miles | 0.80%<br>4.02%<br>4.82%<br>Threshold % | 0.04<br>0.02<br>0.06<br>Enforc<br>M Miles | 0.01<br>0.01<br>0.01<br>U Miles | Obsole M Miles  0.00  Design & Obsole | 0.00          |
| Earthen Levee  Encroachments Animal Control Slope Stability  Supplemental  DWR UCIP Field Study Unit Totals:  Unit No. 03 Yuba River RB  NA0004  Rated Item  Earthen Levee  Vegetation Encroachments Slope Stability             | 0.01 0.05  0.06  Overall Unit Rating U  M Miles 5.83 | 0.00 Total Unit Miles 6.79 Maintena | 0.01<br>0.05<br>0.06<br>0.06<br>M + 4U Miles | 0.80%<br>4.02%<br>4.82%<br>Threshold % | 0.04 0.02 0.06 Enforce                    | 0.01<br>0.01<br>U Miles         | Obsole M Miles  0.00  Design & Obsole | 0.00          |

# **LMA District Cover Sheet**

# Fall 2016 Levee Inspection Results

# **Marysville Levee Commission**

|                                  | Spring<br>(March - May)                         | Summer **<br>(June - August)          | Fall<br>(September - November) | Winter ** (December - February) |
|----------------------------------|---|---------------------------------------|--------------------------------|---------------------------------|
| † Overall LMA Rating (Fall Only) |   |                                       | U                              |                                 |
|                                  | ** Non-receipt of Summ<br>Reports may effect or | · · · · · · · · · · · · · · · · · · · |                                |                                 |

| † SPRING INSPECTIONS: | Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.                        |
|-----------------------|---|
| FALL INSPECTIONS:     | The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indiction of risk. |
| Comments              |   |
|                       |   |
|                       |   |
|                       |   |
|                       |   |
|                       |   |
|                       |   |
|                       |   |

#### **Unit Cover Sheet**

#### Fall 2016 Levee Inspection Results

# **Marysville Levee Commission**

| Waterway                    | Bank | Unit Miles |
|-----------------------------|------|------------|
| Unit No. 01 Simmerly Slough | Left | 3.23       |

|                                     | Spring<br>(March - May)                   | Summer<br>(June - August) | (September - November)<br>Fall            | Winter<br>(December - February) |
|-------------------------------------|---|---------------------------|---|---------------------------------|
| Unit Maintenance Rating (Fall Only) |   |                           | Α   |                                 |
| Date of Inspection                  | 4/22/2016 - 4/22/2016                     |                           | 10/11/2016 - 10/11/2016                   |                                 |
| DWR Inspector                       | Sterling York                             |                           | Sterling York                             |                                 |
| Accompanied By                      | Frank Miller<br>Marysville Levee District |                           | Frank Miller<br>Marysville Levee District |                                 |

#### Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

#### http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                    | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|-----------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 Simmerly Slough | Left | 3.23       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start |                   | Rating **   | Α        | Issue No.  |        | 4            |   |  |
|----------|-------------------|---|----------|------------|--------|--------------|---|--|
| LM End   |                   | Issue Type +  | Ma       | Location * |        | N/A          |   |  |
| Category | Earthen Levee     |   |          |            | atitud | le/Longitude |   |  |
| Calegory |                   |   |          | Start      |        | End          |   |  |
| Item     | Operation         | s & Maintena  | nce      |            | 0      |              | 0 |  |
| item     | Manuals           |   |          |            | 0      |              | 0 |  |
| DWR ID   | DWR_NA0           | 004_01_s _ 201  | 3_4      |            |        |              |   |  |
|          |                   | Comn  | nent Cod | de         |        |              |   |  |
|          |                   |   |          |            |        |              |   |  |
|          |                   |   |          |            |        |              |   |  |
|          | Inspector Comment |   |          |            |        |              |   |  |
|          |                   | Frank Miller stated that he has a couple copies of the O&M manuals and they are located at the district office. |          |            |        |              |   |  |

No Photos

Rating \*\* Issue No. LM Start Issue Type + Ма Location \* N/A LM End Earthen Levee GPS Latitude/Longitude Category Start End Emergency Supplies & Equipment DWR ID DWR\_NA0004\_01\_s \_ 2013\_5 Comment Code

No Photos

Inspector Comment

LMA stated that most of the emergency flood fight supplies are located at 214 1st St.

| LM Start |                               | Rating **      | Α        | Issue No.  |        | 6            |   |
|----------|-------------------------------|----------------|----------|------------|--------|--------------|---|
| LM End   |                               | Issue Type +   | Ма       | Location * |        | N/A          |   |
| Category | Catagonia Earthen Levee       |                |          | GPS La     | atituc | le/Longitude |   |
| Category |                               |                | Start    |            | End    |              |   |
| Item     | Flood Preparedness & Training |                |          |            | 0      |              | 0 |
| item     |                               |                |          |            | 0      |              | 0 |
| DWR ID   | DWR_NA0                       | 004_01_s _ 201 | 3_6      |            |        |              |   |
|          |                               | Comn           | nent Cod | le         |        |              |   |
|          |                               |                |          |            |        |              |   |
|          |                               |                |          |            |        |              |   |
|          |                               | Inspecto       | or Comm  | ent        |        |              |   |

No Photos

Frank Miller stated that he and his employees were able to participate in a flood fight training exercise recently with Emergency Services and Yuba County OES.

#### Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                    | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|-----------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 Simmerly Slough | Left | 3.23       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 0.00    | Rating **     | М       | Issue No.  |             | 40          |   |
|----------|---------|---------------|---------|------------|-------------|-------------|---|
| LM End   | 0.00    | Issue Type +  | En      | Location * | * N/A       |             |   |
| Category |         |               | GPS Lat | itud       | e/Longitude |             |   |
| Calegory |         |               |         | Start      |             | End         |   |
| Item     | DWR UCI | P Field Study |         | 39.14954   | 8 °         | 39.149548   | 0 |
| пеш      |         |               | -       |            | 0°          | -121.601110 | 0 |
| DWR ID   |         |               |         |            |             |             |   |

#### Comment Code

#### Inspector Comment

FS\_ID:40936 DS\_ID:19117 EP\_NO: 3684

Repair Type: Non-Urgent Crossing Status: Indicator Found

0.01

UCIP Comments: Marker missing on landward side. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.

confirmation that crossing is still in operable condition.

FIELD\_STRUCT\_DESC: 8-inch gas line through the levee, 4.0 feet below the crown. Concrete cutoff wall around pipe, near center of levee (8x56x56-inch). Gas main cut off 110-feet landward of waterward toe. Permit covers replacement of portion of pre-existing gas main and cutoff wall (Permit No. 3684-1961).

FS Date: 3/15/2013

LM Start

| LM End                 | 3.20   | Issue Type +   | Ма                     | Location * | LS    |               |  |  |
|------------------------|--|----------------|------------------------|------------|-------|---------------|--|--|
| Category Earthen Levee |  |                | GPS Latitude/Longitude |            |       |               |  |  |
|                        |  |                | Start                  |            | End   |               |  |  |
| Item                   | Vegetatio  | egetation      |                        |            | '20 ° | 39.163845°    |  |  |
| itom                   |  |                |                        |            | 53°   | -121.560121 ° |  |  |
| DWR ID                 | DWR ID DWR_NA0004_01_f _ 2016_1  |                |                        |            |       |               |  |  |
|                        |  | Comn           | nent Cod               | de         |       |               |  |  |
|                        | V1 : Control annual grass and weeds on the levee slopes and easements. |                |                        |            |       |               |  |  |
|                        | Inspector Comment  |                |                        |            |       |               |  |  |
| Well maint             | ained ann  | ual vegetation | . Fall 20              | 16.        |       |               |  |  |

Issue No.

# Photo 1 of 1 : FA\_2016\_NA0004\_104\_1\_20161012\_00015.jpg

No Photos



View of well maintained vegetation, Landside looking downstream. Fall 2016.

#### Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                    | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|-----------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 Simmerly Slough | Left | 3.23       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start                                      | 0.01                   | Rating **      | Α         | Issue No.   |        | 11            |  |
|---|------------------------|----------------|-----------|-------------|--------|---------------|--|
| LM End  | 3.20                   | Issue Type +   | Ма        | Location *  |        | WS            |  |
| Category                                      | Earthen L              | evee           |           | GPS La      | atitud | e/Longitude   |  |
| Calegory                                      |                        |                |           | Start       |        | End           |  |
| Item  | Vegetatio              | า              |           | 39.1497     | '21 °  | 39.163844°    |  |
| item  | -121.601053 ° -121.560 |                |           |             |        | -121.560122 ° |  |
| DWR ID  | DWR_NA0                | 004_01_f _ 201 | 6_11      |             |        |               |  |
|   |                        | Comn           | nent Cod  | de          |        |               |  |
| V1 : Contro<br>easements                      |                        | rass and wee   | eds on th | e levee slo | pes a  | and           |  |
| Inspector Comment                             |                        |                |           |             |        |               |  |
| Well maintained annual vegetation. Fall 2016. |                        |                |           |             |        |               |  |
|   |                        |                |           |             |        |               |  |



View of well maintained annual vegetation, waterside looking downstream. Fall 2016.

| LM Start     | 0.96                    | Rating **              | М  | Issue No.  | 37 |            |  |
|--------------|-------------------------|------------------------|----|------------|----|------------|--|
| LM End       | 0.96                    | Issue Type +           | En | Location * | WS |            |  |
| Category     | ental                   | GPS Latitude/Longitude |    |            |    |            |  |
| Calegory     | Start End               |                        |    |            |    |            |  |
| Item         | DWR UCI                 | P Field Study          |    | 39.158946° |    | 39.158946° |  |
| item         | -121.589930 ° -121.5899 |                        |    |            |    |            |  |
| DWR ID       |                         |                        |    |            |    |            |  |
| Comment Code |                         |                        |    |            |    |            |  |

# Inspector Comment

FS\_ID:40931 DS\_ID:19100 EP\_NO: 14518

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Recommend having owner removing tall grass along

slopes to properly inspect signs of pipe failure.

FIELD\_STRUCT\_DESC: 1 of 2: 10-inch steel pipe through levee, 4.0 feet below crown. Flap gate on waterward end. Concrete vault on waterward shoulder. Metal meter box on the landward shoulder. Pump placed on concrete footings at toe of landward slope. Drainage for underpass. Pipes approx. 2.5-feet apart. (Permit No. 14518-1987). FS Date: 3/14/2013

Photo 1 of 2: UCIP\_FA\_2016\_40931\_69758.jpg



View of landward side.

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                    | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|-----------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 Simmerly Slough | Left | 3.23       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start     | 0.96    | Rating **              | М          | Issue No.  | 37 (cont)     |            |
|--------------|---------|------------------------|------------|------------|---------------|------------|
| LM End       | 0.96    | Issue Type +           | En         | Location * | WS            |            |
| Category     | ental   | GPS Latitude/Longitude |            |            |               |            |
| Calegory     | Start   |                        |            |            |               | End        |
| Item         | DWR UCI | P Field Study          |            | 39.15894   | 16 °          | 39.158946° |
| пеш          |         |                        | -121.58993 | 30°        | -121.589930 ° |            |
| DWR ID       |         |                        |            |            |               |            |
| Comment Code |         |                        |            |            |               |            |

# Inspector Comment

FS\_ID:40931 DS\_ID:19100 EP\_NO: 14518

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Recommend having owner removing tall grass along

slopes to properly inspect signs of pipe failure.

FIELD\_STRUCT\_DESC: 1 of 2: 10-inch steel pipe through levee, 4.0 feet below crown. Flap gate on waterward end. Concrete vault on waterward shoulder. Metal meter box on the landward shoulder. Pump placed on concrete footings at toe of landward slope. Drainage for underpass. Pipes approx. 2.5-feet apart. (Permit No. 14518-1987). FS Date: 3/14/2013

Concrete vault on waterward shoulder with manhole.



Rating \*\* Issue No. 0.96 M LM Start 38 Issue Type + Location \* WS 0.96 LM End Supplemental GPS Latitude/Longitude Category Start End DWR UCIP Field Study 39.158951 ° 39.158951 -121.589929 ° -121.589929 ° DWR ID Comment Code

#### Inspector Comment

FS\_ID:40933 DS\_ID:19093 EP\_NO: 14518 Repair Type: Non-Urgent

Crossing Status: Indicator Found

UCIP Comments: Recommend having owner removing tall grass along

slopes to properly inspect signs of pipe failure. FIELD STRUCT DESC: 2 of 2: 10-inch steel pi

FIELD\_STRUCT\_DESC: 2 of 2: 10-inch steel pipe through levee, 4.0 feet below crown. Flap gate on waterward end. Concrete vault on waterward shoulder. Metal meter box on the landward shoulder. Pump placed on concrete footings at toe of landward slope. Drainage for underpass. Pipes approx. 2.5-feet apart. (Permit No. 14518-1987). FS Date: 3/14/2013

Photo 1 of 2 : UCIP\_FA\_2016\_40933\_69762.jpg



View of pump concrete building located on landward side.

\* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

\*\* Rating
A: Acceptable N: Not Inspected/Rated
N: Not Inspected/Rated
C: Corrected
C: Corrected
C: Corrected
AW: Acceptable C: Corrected
U: Unacceptable AW: Acceptable but Monitor & Maintain

\*\* Rating
A: Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                    | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|-----------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 Simmerly Slough | Left | 3.23       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start     | 0.96    | Rating **              | М          | Issue No.  | 38 (cont)     |            |
|--------------|---------|------------------------|------------|------------|---------------|------------|
| LM End       | 0.96    | Issue Type +           | En         | Location * | WS            |            |
| Category     | ental   | GPS Latitude/Longitude |            |            |               |            |
| Calegory     | Start   |                        |            |            |               | End        |
| Item         | DWR UCI | P Field Study          |            | 39.15895   | 1°            | 39.158951° |
| пеш          |         |                        | -121.58992 | 9°         | -121.589929 ° |            |
| DWR ID       |         |                        |            |            |               |            |
| Comment Code |         |                        |            |            |               |            |

# Inspector Comment

FS\_ID:40933 DS\_ID:19093 EP\_NO: 14518

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Recommend having owner removing tall grass along

slopes to properly inspect signs of pipe failure.

FIELD\_STRUCT\_DESC: 2 of 2: 10-inch steel pipe through levee, 4.0 feet below crown. Flap gate on waterward end. Concrete vault on waterward shoulder. Metal meter box on the landward shoulder. Pump placed on concrete footings at toe of landward slope. Drainage for underpass. Pipes approx. 2.5-feet apart. (Permit No. 14518-1987). FS Date: 3/14/2013

#### Photo 2 of 2: UCIP\_FA\_2016\_40933\_69761.jpg



Concrete vault located on waterward shoulder.

| LM Start                         | 0.97     | Rating **              | М  | Issue No.  |     | 36           |  |
|----------------------------------|----------|------------------------|----|------------|-----|--------------|--|
| LM End                           | 1.19     | Issue Type +           | Ob | Location * | WS  |              |  |
| Category                         | evee     | GPS Latitude/Longitude |    |            |     |              |  |
| Calegory                         |          |                        |    | Start End  |     |              |  |
| Item                             | Encroach | ments                  |    | 39.159210° |     | 39.161576°   |  |
| пеш                              |          |                        |    | -121.59003 | 33° | -121.590721° |  |
| DWR ID DWR_NA0004_01_f _ 2013_36 |          |                        |    |            |     |              |  |
| Comment Code                     |          |                        |    |            |     |              |  |

# RW : Retaining Wall

#### Inspector Comment

Concrete retaining wall cut into levee toe, no permit found.

### Photo 1 of 1: FA\_2016\_NA0004\_104\_36\_20161012\_00017.jpg



View of the concrete retaining wall at the toe of the levee on the waterward side looking downstream. Fall 2016.

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                    | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|-----------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 Simmerly Slough | Left | 3.23       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start  | 0.98              | Rating **    | Α        | Issue No.     |        | 17           |  |  |
|---|-------------------|--------------|----------|---------------|--------|--------------|--|--|
| LM End  | 0.98              | Issue Type + | En       | Location *    |        | WS           |  |  |
| Category  | Earthen L         | evee         |          | GPS La        | atitud | e/Longitude  |  |  |
| Calegory  |                   |              |          | Start         |        | End          |  |  |
| Item  | Encroachi         | ments        |          | 39.1592       | 62°    | 39.159262°   |  |  |
| пеш   |                   |              |          | -121.590052 ° |        | -121.590052° |  |  |
| DWR ID DWR_NA0004_01_f _ 2016_17                        |                   |              |          |               |        |              |  |  |
|   |                   | Comn         | nent Cod | de            |        |              |  |  |
| RW : Reta   | ining Wall        |              |          |               |        |              |  |  |
|   |                   |              | •        |               |        |              |  |  |
|   | Inspector Comment |              |          |               |        |              |  |  |
| Headwall for 10" pipe is permitted under Permit #14518. |                   |              |          |               |        |              |  |  |
|   |                   |              |          |               |        |              |  |  |
|   |                   |              |          |               |        |              |  |  |
|   |                   |              |          |               |        |              |  |  |



View of headwall for pipe, landside looking upstream. This is permitted under Permit #14518. Fall 2016.

| LM Start   | 1.22      | Rating **      | С        | Issue No.              |      | 13            |  |
|--|-----------|----------------|----------|------------------------|------|---------------|--|
| LM End   | 1.22      | Issue Type +   | En       | Location *             |      | CR            |  |
| Category   | Earthen L | evee           |          | GPS Latitude/Longitude |      |               |  |
| Category   |           |                |          | Start                  |      | End           |  |
| Item   | Encroachi | ments          |          | 39.1613                | 31 ° | 36.161331°    |  |
| пеш  |           |                |          | -121.5904              | 81 ° | -121.590481 ° |  |
| DWR ID   | DWR_NA0   | 004_01_s _ 201 | 6_13     |                        |      | ·             |  |
|  |           | Comn           | nent Coc | le                     |      |               |  |
| PO : Pole  |           |                |          |                        |      |               |  |
|  |           |                |          |                        |      |               |  |
| Inspector Comment                                      |           |                |          |                        |      |               |  |
| The mail box post was removed from the crown of levee. |           |                |          |                        |      |               |  |
|  |           |                |          |                        |      |               |  |

No Photos

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                    | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|-----------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 Simmerly Slough | Left | 3.23       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 1.41         | Rating **      | М  | Issue No.              |     | 41           |  |  |
|----------|--------------|----------------|----|------------------------|-----|--------------|--|--|
| LM End   | 1.41         | Issue Type +   | En | Location *             |     | CR           |  |  |
| Category | Suppleme     | ental          |    | GPS Latitude/Longitude |     |              |  |  |
| Calegory |              |                |    | Start                  |     | End          |  |  |
| Item     | DWR UC       | IP Field Study |    | 39.1592                | 70° | 39.159270°   |  |  |
| пеш      |              |                |    | -121.5890              | 15° | -121.589015° |  |  |
| DWR ID   |              |                |    |                        |     |              |  |  |
|          | Commont Codo |                |    |                        |     |              |  |  |

Comment Code

#### Inspector Comment

FS\_ID:41003 DS\_ID:19097 EP\_NO: 14036

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Unable to determine if utility crosses levee--no marker visible on WS. AT&T representative was out near crossing and she referred us to David Parmenter, AT&T Engineer, 530-477-3099. Will need to contact AT&T to determine if any crossing goes through the levees at Marysville.

FIELD\_STRUCT\_DESC: 1-inch diameter fiber optic communication line through levee 60-inch below crown crosses line. Crosses overflow areas and channel. (Permit No. 14036-1986).

FS Date: 3/19/2013

| Photo 1 of 1 : FA | _2016_NA0004_1 | 104_16_20161012 | 2_00020.jpg |
|-------------------|----------------|-----------------|-------------|
|                   |                |                 |             |

No Photos



View of rodent holes were squirrels are active. Fall 2016.

| LM Start  | 1.50                             | Rating **     | М                      | Issue No.    |      | 16            |  |  |
|---|----------------------------------|---------------|------------------------|--------------|------|---------------|--|--|
| LM End  | 1.50                             | Issue Type +  | Ma                     | Location *   |      | WS            |  |  |
| Category  | Earthen Levee                    |               | GPS Latitude/Longitude |              |      |               |  |  |
| Calegory  |                                  |               |                        | Start        |      | End           |  |  |
| Item  | Animal Co                        | ontrol        |                        | 39.1603      | 01°  | 39.160301°    |  |  |
| item  |                                  |               |                        | -121.588052° |      | -121.588052 ° |  |  |
| DWR ID  | DWR ID DWR_NA0004_01_f _ 2016_16 |               |                        |              |      |               |  |  |
|   |                                  | Comn          | nent Cod               | de           |      |               |  |  |
| A1 : Extern   | ninate rod                       | ents and back | fill and o             | compact or   | grou | t burrows.    |  |  |
|   |                                  |               |                        |              |      |               |  |  |
|   |                                  | Inspecto      | or Comm                | nent         |      |               |  |  |
| Rodent holes where squirrels are active. Fall 2016. |                                  |               |                        |              |      |               |  |  |
|   |                                  |               |                        |              |      |               |  |  |
|   |                                  |               |                        |              |      |               |  |  |

\* Location

N/A: Not Applicable LS: Land Side WS: Water Side

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En: Enforcement

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                    | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|-----------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 Simmerly Slough | Left | 3.23       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

|   |           | D (1) ++     |           | I MI       |               |              |  |  |
|---|-----------|--------------|-----------|------------|---------------|--------------|--|--|
| LM Start  | 1.56      | Rating **    | М         | Issue No.  |               | 15           |  |  |
| LM End  | 1.56      | Issue Type + | Ma        | Location * |               | LS           |  |  |
| Category  | Earthen L | evee         |           | GPS La     | atitud        | le/Longitude |  |  |
| Category  |           |              |           | Start      |               | End          |  |  |
| Item  | Animal Co | ontrol       |           | 39.1608    | 54°           | 39.160854°   |  |  |
| item  |           |              | -121.5873 | 75°        | -121.587375 ° |              |  |  |
| DWR ID DWR_NA0004_01_f _ 2016_15                                    |           |              |           |            |               |              |  |  |
|   |           | Comn         | nent Cod  | de         |               |              |  |  |
| A1 : Exterminate rodents and backfill and compact or grout burrows. |           |              |           |            |               |              |  |  |
| Inspector Comment   |           |              |           |            |               |              |  |  |
| Rodent holes where squirrels are active. Fall 2016.                 |           |              |           |            |               |              |  |  |
| ·   |           |              |           |            |               |              |  |  |
|   |           |              |           |            |               |              |  |  |
|   |           |              |           |            |               |              |  |  |



Rodent holes were squirrels are active, landside. Fall 2016.

| LM Start  | 1.87      | Rating **              | М        | Issue No.  |     | 14           |  |  |  |
|---|-----------|------------------------|----------|------------|-----|--------------|--|--|--|
| LM End  | 1.87      | Issue Type +           | Ma       | Location * |     | LS           |  |  |  |
| Category  | evee      | GPS Latitude/Longitude |          |            |     |              |  |  |  |
| Category  |           |                        |          | Start      |     | End          |  |  |  |
| Item  | Animal Co | ontrol                 |          | 39.1645    | 41° | 39.164541 °  |  |  |  |
| пеш   | item      |                        |          |            |     | -121.584044° |  |  |  |
| DWR ID  | DWR_NA0   | 004_01_f _ 201         | 6_14     |            |     |              |  |  |  |
|   |           | Comn                   | nent Cod | de         |     |              |  |  |  |
| A1 : Exterminate rodents and backfill and compact or grout burrows. |           |                        |          |            |     |              |  |  |  |
| Inspector Comment   |           |                        |          |            |     |              |  |  |  |
| Rodent holes where squirrels are active. Fall 2016.                 |           |                        |          |            |     |              |  |  |  |



View of landside rodent holes where squirrels are active, looking downstream. Fall 2016.

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                    | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|-----------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 Simmerly Slough | Left | 3.23       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start     | 1.99                 | Rating **    | U  | Issue No.              |     | 43          |   |  |
|--------------|----------------------|--------------|----|------------------------|-----|-------------|---|--|
| LM End       | 1.99                 | Issue Type + | En | Location *             | LS  |             |   |  |
| Category     |                      |              |    | GPS Latitude/Longitude |     |             |   |  |
| Calegory     | Category             |              |    | Start                  |     | End         |   |  |
| Item         | DWR UCIP Field Study |              |    | 39.1649                | 50° | 39.164950   | 0 |  |
| пеш          |                      |              |    | -121.5820              | 00° | -121.582000 | ٥ |  |
| DWR ID       |                      |              |    |                        |     |             |   |  |
| Comment Code |                      |              |    |                        |     |             |   |  |

# Inspector Comment

FS\_ID:49953 DS\_ID:25467 EP\_NO: N/A Repair Type: Urgent Crossing Status: Not Found

UCIP Comments: 6/29/2016 Per Frank Miller, LMA Contact, the USACE has idenfitied an 8-inch gas line through levee. Unable to confirm owner, permit, or depth of crossing. (DWR UCIP - omagana) FIELD\_STRUCT\_DESC: 8-inch gas line of unknown material through

the levee at an unknown depth.

FS Date: 6/29/2016

| LM Start | 1.99 | Rating **    | U  | Issue No.  | 43 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End   | 1.99 | Issue Type + | En | Location * | LS        |

#### Photo 1 of 2: UCIP\_FA\_2016\_49953\_75785.jpg



View of levee crown where crossing goes through levee--no markers visible, photo 1 of 2.

#### Photo 2 of 2: UCIP\_FA\_2016\_49953\_75786.jpg



View of levee crown where crossing goes through levee--no markers visible, photo 2 of 2.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                    | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|-----------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 Simmerly Slough | Left | 3.23       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 2.00     | Rating **            | М  | Issue No.              |      | 42           |
|----------|----------|----------------------|----|------------------------|------|--------------|
| LM End   | 2.00     | Issue Type +         | En | Location *             |      | LS           |
| Category |          |                      |    | GPS Latitude/Longitude |      |              |
| Calegory | Category |                      |    | Start                  |      | End          |
| Item     | DWR UCI  | DWR UCIP Field Study |    |                        | 51 ° | 39.164951 °  |
| item     |          |                      |    | -121.5819              | 58°  | -121.581958° |
| DWR ID   |          |                      |    |                        |      |              |

# Inspector Comment

Comment Code

FS\_ID:49954 DS\_ID:19112 EP\_NO: 2279

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 6/30/2016 Coordinating with the USACE to obtain record drawings of the utilities identified during Slurry Wall construction. (DWR UCIP - omagana)6/29/2016 \*ABANDONED\* pipe confirmed during USACE Project of Slurry Wall along Unit 1. Project completed approximately 5 years ago. Frank Miller, recommended contacting Art (USACE contact) to obtain project records for the slurry wall work completed in this area. (DWR UCIP - omagana)1/1/2014 Frank Miller Superintendent Marysville Levee Commission:To whom it may concern, Marysville Levee Commission is in process of drafting letter to PG&E concerning line status, wether active/or non-active as well as exact cordinates. (LMA Superintendent - fmiller)3/14/2013 No markers found. Need to contact owner to determine status of crossing. (DWR UCIP - omagana)

FIELD\_STRUCT\_DESC: \*ABANDONED\* 0.75-inch steel concrete encased gas line through the levee, 5.0 feet below the crown. Steel plate at center of levee (6-foot by 6-foot #8 Ga.), surrounds concrete encasement. (Permit No. 2279, 1958 - Pacific Gas and Electric Co. [PG&E]). [Additional Reference(s): DWR Levee Log, 1993 and 2005] FS Date: 6/29/2016

| LM Start | 2.00 | Rating **    | М  | Issue No.  | 42 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End   | 2.00 | Issue Type + | En | Location * | LS        |



View of levee crown.



Line visible on LS.

| * Location   | ** Rating  |   | + Issue Type   |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                    | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|-----------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 Simmerly Slough | Left | 3.23       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start                         | 3.15      | Rating **    | Α  | Issue No.              |     | 12           |  |
|----------------------------------|-----------|--------------|----|------------------------|-----|--------------|--|
| LM End                           | 3.15      | Issue Type + | Ma | Location *             |     | LS           |  |
| Category Earthen Levee           |           |              |    | GPS Latitude/Longitude |     |              |  |
| Calegory                         | Category  |              |    |                        |     | End          |  |
| Item                             | Slope Sta | bility       |    | 39.164068°             |     | 39.164068°   |  |
| item                             |           |              |    | -121.5608              | 59° | -121.560859° |  |
| DWR ID DWR_NA0004_01_f _ 2016_12 |           |              |    |                        |     |              |  |
| Comment Code                     |           |              |    |                        |     |              |  |

S2: Repair the levee slope damaged by foot traffic and prevent access where possible

#### Inspector Comment

Foot path has been cut into levee slope, no sign of slope instabilaty. Fall 2016.

# Photo 1 of 1: FA\_2016\_NA0004\_104\_12\_20161012\_00023.jpg



View of landside looking upstream where foot path has been cut into levee slope, no sign of slope instability. Fall 2016.

| LM Start | 3.19                 | Rating **              | М  | Issue No.  |      | 39           |
|----------|----------------------|------------------------|----|------------|------|--------------|
| LM End   | 3.19                 | Issue Type +           | En | Location * |      | LS           |
| Category | ental                | GPS Latitude/Longitude |    |            |      |              |
| Calegory | Category             |                        |    |            |      | End          |
| Item     | DWR UCIP Field Study |                        |    | 39.1638    | 88°  | 39.163888°   |
| пеш      |                      |                        |    | -121.5602  | 62 ° | -121.560262° |
| DWR ID   |                      |                        |    |            |      |              |

# Comment Code

#### Inspector Comment

FS\_ID:40935 DS\_ID:19115 EP\_NO: 12878

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Need to contact owner to determine additional

information about crossing and alignment.

FIELD\_STRUCT\_DESC: 24-inch steel pipe encasing 4-inch PVC communications extension through the levee, annular gap grouted, 8 feet below levee crown. Cutoff wall (12x12x20-inch) around extension

from levee slopes. (Permit No. 12878-1980).

FS Date: 3/14/2013

Photo 1 of 2: UCIP\_FA\_2016\_40935\_69766.jpg



Marker on landward side.

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                    | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|-----------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 Simmerly Slough | Left | 3.23       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start     | 3.19     | Rating **     | М       | Issue No.  | 39 (cont)    |               |  |
|--------------|----------|---------------|---------|------------|--------------|---------------|--|
| LM End       | 3.19     | Issue Type +  | En      | Location * | LS           |               |  |
| Supplemental |          |               | GPS Lat | tuc        | le/Longitude |               |  |
| Calegory     | Category |               |         | Start      |              | End           |  |
| ltom         | DWR UCI  | P Field Study |         | 39.16388   | 3°           | 39.163888 °   |  |
| пеш          | Item     |               |         |            | 2°           | -121.560262 ° |  |
| DWR ID       |          |               |         |            |              |               |  |
| Comment Code |          |               |         |            |              |               |  |

#### Inspector Comment

FS\_ID:40935 DS\_ID:19115 EP\_NO: 12878

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Need to contact owner to determine additional

information about crossing and alignment.

FIELD\_STRUCT\_DESC: 24-inch steel pipe encasing 4-inch PVC communications extension through the levee, annular gap grouted, 8 feet below levee crown. Cutoff wall (12x12x20-inch) around extension

from levee slopes. (Permit No. 12878-1980).

FS Date: 3/14/2013



View of landward side.

#### **Unit Cover Sheet**

#### Fall 2016 Levee Inspection Results

# **Marysville Levee Commission**

| Waterway                  | Bank | Unit Miles |
|---------------------------|------|------------|
| Unit No. 02 Feather River | Left | 1.25       |

|                                     | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall            | Winter<br>(December - February) |
|-------------------------------------|-------------------------|---------------------------|---|---------------------------------|
| Unit Maintenance Rating (Fall Only) |                         |                           | Α   |                                 |
| Date of Inspection                  | 4/22/2016 - 4/22/2016   |                           | 10/11/2016 - 10/11/2016                   |                                 |
| DWR Inspector                       | Sterling York           |                           | Sterling York                             |                                 |
| Accompanied By                      | Frank Miller            |                           | Frank Miller<br>Marysville Levee District |                                 |

#### Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

#### http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                  | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|---------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 Feather River | Left | 1.25       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start                                      | 0.00      | Rating **    | Α        | Issue No.    |            | 7            |  |
|---|-----------|--------------|----------|--------------|------------|--------------|--|
| LM End  | 1.23      | Issue Type + | Ма       | Location *   |            | WS           |  |
| Category                                      | Earthen L | evee         |          | GPS La       | atitud     | e/Longitude  |  |
| Calegory                                      |           |              |          | Start        |            | End          |  |
| Item  | Vegetatio |              | 39.1494  | 86°          | 39.134723° |              |  |
| item  |           |              |          | -121.601107° |            | -121.594044° |  |
| DWR ID DWR_NA0004_02_f _ 2016_7               |           |              |          |              |            |              |  |
| Comment Code                                  |           |              |          |              |            |              |  |
| V1 : Contre<br>easements                      |           | rass and wee | ds on th | e levee slo  | pes a      | and          |  |
|   |           | Inspecto     | or Comm  | nent         |            |              |  |
| Well maintained annual vegetation. Fall 2016. |           |              |          |              |            |              |  |
|   |           |              |          |              |            |              |  |
|   |           |              |          |              |            |              |  |
|   |           |              |          |              |            |              |  |



View of well maintained annual vegetation on the waterside looking downstream. Fall 2016.

| LM Start                        | 0.00      | Rating **    | Α                      | Issue No.  |     | 5             |  |
|---------------------------------|-----------|--------------|------------------------|------------|-----|---------------|--|
| LM End                          | 1.23      | Issue Type + | Ма                     | Location * |     | LS            |  |
| Category Earthen Levee          |           |              | GPS Latitude/Longitude |            |     |               |  |
| Category                        |           |              |                        | Start      |     | End           |  |
| Item                            | Vegetatio | n            |                        | 39.1494    | 86° | 39.134723°    |  |
| item                            |           |              |                        | -121.6011  | 07° | -121.594042 ° |  |
| DWR ID DWR_NA0004_02_f _ 2016_5 |           |              |                        |            |     |               |  |
|                                 |           | Comp         | nont Coc               | 10         |     |               |  |

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Well maintained annual vegetation. Fall 2016.

#### Photo 1 of 1: FA\_2016\_NA0004\_105\_5\_20161013\_00009.jpg



View of well maintained annual vegetation on the landside looking downstream. Fall 2016.

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                  | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|---------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 Feather River | Left | 1.25       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start     | 0.22                            | Rating **    | М     | Issue No.              |     | 8            |  |
|--------------|---------------------------------|--------------|-------|------------------------|-----|--------------|--|
| LM End       | 0.22                            | Issue Type + | Ма    | Location *             | LS  |              |  |
| Category     | Catagoria Earthen Levee         |              |       | GPS Latitude/Longitude |     |              |  |
| Category     |                                 |              | Start |                        | End |              |  |
| Item         | Slope Sta                       | bility       |       | 39.14635               | 2°  | 39.146352°   |  |
| пеш          |                                 |              |       | -121.60072             | 4°  | -121.600724° |  |
| DWR ID       | DWR ID DWR_NA0004_02_f _ 2016_8 |              |       |                        |     |              |  |
| Comment Code |                                 |              |       |                        |     |              |  |

S2: Repair the levee slope damaged by foot traffic and prevent access where possible

#### Inspector Comment

Foot path depression in the landside levee slope needs repaired. Fall 2016.

#### Photo 1 of 1: FA\_2016\_NA0004\_105\_8\_20161013\_00010.jpg



View of foot path depression in the landside levee slope. Fall 2016.

Photo 1 of 1: FA\_2016\_NA0004\_105\_9\_20161013\_00011.jpg

| LM Start               | 0.27     | Rating **      | М                      | Issue No.  |            | 9            |  |
|------------------------|----------|----------------|------------------------|------------|------------|--------------|--|
| LM End                 | 0.27     | Issue Type +   | En                     | Location * |            | LS           |  |
| Category Earthen Levee |          |                | GPS Latitude/Longitude |            |            |              |  |
| Calegory               |          |                | Start                  |            | End        |              |  |
| Item                   | Encroach | ments          | 39.1456                | 67°        | 39.145667° |              |  |
| пеш                    |          |                |                        | -121.6006  | 44 °       | -121.600644° |  |
| DWR ID                 | DWR_NA0  | 004_02_f _ 201 | 6_9                    |            |            |              |  |

# Comment Code

PO: Pole

#### Inspector Comment

Cut off telephone pole on the landside slope needs to be removed. Fall 2016.

View showing 1 of 4 cut off telephone pole on the landside slope. Fall

| LM Start                        | 0.31      | Rating **    | M  | Issue No.              |     | 6             |  |  |  |
|---------------------------------|-----------|--------------|----|------------------------|-----|---------------|--|--|--|
| LM End                          | 0.31      | Issue Type + | Ma | Location *             |     | LS            |  |  |  |
| Category Earthen Levee          |           |              |    | GPS Latitude/Longitude |     |               |  |  |  |
| Category                        | Category  |              |    | Start                  |     | End           |  |  |  |
| ltem                            | Slope Sta | bility       |    | 39.1449                | 90° | 39.144990°    |  |  |  |
| Item Slope Sta                  |           |              |    | -121.6005              | 76° | -121.600576 ° |  |  |  |
| DWR ID DWR_NA0004_02_s _ 2015_6 |           |              |    |                        |     |               |  |  |  |
|                                 |           |              |    |                        |     |               |  |  |  |

#### Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

#### Inspector Comment

Tire ruts in the landside levee slope need to be repaired. Fall 2016.

#### Photo 1 of 1: FA\_2016\_NA0004\_105\_6\_20161013\_00015.jpg



View of tire ruts in the landside levee slope. Fall 2016.

| * | Location |
|---|----------|
|   |          |

N/A: Not Applicable LS: Land Side

WS: Water Side

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                  | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|---------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 Feather River | Left | 1.25       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start   | 0.32            | Rating **    | М                      | Issue No.             |      | 4            |  |
|--|-----------------|--------------|------------------------|-----------------------|------|--------------|--|
| LM End   | 0.32            | Issue Type + | Ма                     | Location *            |      | LS           |  |
| Earthen Levee  |                 |              | GPS Latitude/Longitude |                       |      |              |  |
| Category   |                 |              |                        | Start                 |      | End          |  |
| Item   | Slope Stability |              |                        | 39.1448               | 40°  | 39.144840°   |  |
| пеш  |                 |              |                        | -121.600559 ° -121.60 |      |              |  |
| DWR ID DWR_NA0004_02_s _ 2016_4  |                 |              |                        |                       |      |              |  |
|  |                 | Comn         | nent Cod               | de                    |      |              |  |
| S2 : Repai<br>where pos  |                 | slope damag  | ed by fo               | ot traffic an         | d pr | event access |  |
|  |                 | Inspecto     | or Comm                | nent                  |      |              |  |
| Inspector Comment  Foot path depression in the landside levee slope needs repaired. Fall 2016. |                 |              |                        |                       |      |              |  |



View looking downstream of landside slope erosion due to heavy foot traffic. Fall 2016.

| LM Start   | 0.58                   | Rating **      | М        | Issue No.              |                 | 10  |  |
|--|------------------------|----------------|----------|------------------------|-----------------|-----|--|
| LM End   | 0.58                   | Issue Type +   | En       | Location *             |                 | LS  |  |
| Category   | Category Earthen Levee |                |          | GPS Latitude/Longitude |                 |     |  |
| Odlogory   |                        |                |          | Start                  |                 | End |  |
| Item   | Encroachi              | 39.1411        | 81°      | 39.141181°             |                 |     |  |
| item   |                        |                |          | -121.6000              | 0045° -121.6000 |     |  |
| DWR ID   | DWR_NA0                | 004_02_f _ 201 | 6_10     |                        |                 |     |  |
|  |                        | Comn           | nent Cod | de                     |                 |     |  |
| PO : Pole  |                        |                |          |                        |                 |     |  |
|  |                        |                |          |                        |                 |     |  |
|  |                        | Inspecto       | or Comm  | nent                   |                 |     |  |
| Cut off telephone pole on the landside slope needs to be removed. Fall 2016. |                        |                |          |                        |                 |     |  |



View showing 2 of 4 cut off telephone pole on the landside slope. Fall 2016

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                  | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|---------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 Feather River | Left | 1.25       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start   | 0.61          | Rating **    | М        | Issue No.     |                      | 11            |  |
|--|---------------|--------------|----------|---------------|----------------------|---------------|--|
| LM End   | 0.61          | Issue Type + | En       | Location *    |                      | LS            |  |
| Category   | Earthen L     | evee         |          | GPS La        | S Latitude/Longitude |               |  |
| Calegory   |               |              |          | Start         |                      | End           |  |
| Item   | Encroachments |              |          | 39.1407       | 70°                  | 39.140770°    |  |
| пеш  |               |              |          | -121.600001 ° |                      | -121.600001 ° |  |
| DWR ID DWR_NA0004_02_f _ 2016_11   |               |              |          |               |                      |               |  |
|  |               | Comn         | nent Cod | de            |                      |               |  |
| PO : Pole  |               |              |          |               |                      |               |  |
|  |               |              |          |               |                      |               |  |
|  |               | Inspect      | or Comm  | nent          |                      |               |  |
| Cut off telephone pole on the landside slope needs to be removed. Fall 2016. |               |              |          |               |                      |               |  |



View showing 3 of 4 cut off telephone pole on the landside slope. Fall 2016.

| LM Start              | 0.64                             | Rating **      | М         | Issue No.  |                 | 12   |  |  |  |  |  |  |  |  |
|-----------------------|----------------------------------|----------------|-----------|------------|-----------------|--|--|--|--|--|--|--|--|--|
| LM End                | 0.64                             | Issue Type +   | En        | Location * |                 | LS   |  |  |  |  |  |  |  |  |
| Category              | Earthen Levee                    |                |           | GPS La     | atitud          | le/Longitude   |  |  |  |  |  |  |  |  |
| Category              |                                  |                |           | Start      |                 | End  |  |  |  |  |  |  |  |  |
| Item                  | Encroachi                        | ments          |           | 39.1403    | 140352° 39.1403 |  |  |  |  |  |  |  |  |  |
| item                  |                                  |                |           | -121.5999  | 83°             | -121.599983 °  |  |  |  |  |  |  |  |  |
| DWR ID                | DWR ID DWR_NA0004_02_f _ 2016_12 |                |           |            |                 |  |  |  |  |  |  |  |  |  |
|                       |                                  | Comn           | nent Cod  | de         |                 |  |  |  |  |  |  |  |  |  |
| PO: Pole              |                                  |                |           |            |                 |  |  |  |  |  |  |  |  |  |
|                       |                                  |                |           |            |                 |  |  |  |  |  |  |  |  |  |
|                       |                                  | Inspecto       | or Comm   | nent       |                 |  |  |  |  |  |  |  |  |  |
| Cut off tele<br>2016. | ephone pol                       | e on the lands | side slop | e needs to | be r            | Cut off telephone pole on the landside slope needs to be removed. Fall |  |  |  |  |  |  |  |  |



View showing 4 of 4 cut off telephone pole on the landside slope. Fall 2016.

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                  | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|---------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 Feather River | Left | 1.25       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 0.75     | Rating **      | U        | Issue No.             | 18   |             |   |
|----------|----------|----------------|----------|-----------------------|------|-------------|---|
| LM End   | 0.75     | Issue Type +   | En       | Location *            | LS   |             |   |
| Category | Suppleme | ental          |          | GPS Latitude/Longitud |      |             |   |
| Calegory | <b>/</b> |                |          | Start                 |      | End         |   |
| Item     | DWR UC   | IP Field Study |          | 39.1391               | 90°  | 39.139190   | 0 |
| пеш      |          |                |          | -121.6007             | 45 ° | -121.600745 | 0 |
| DWR ID   |          |                |          |                       |      |             |   |
|          |          | Comn           | nent Cod | de                    |      |             |   |

#### Inspector Comment

FS\_ID:49948 DS\_ID:19150 EP\_NO: 3823 Repair Type: Urgent Crossing Status: Not Found

UCIP Comments: 6/30/2016 Coordinating with the USACE to obtain record drawings of the utilities identified during Slurry Wall construction. (DWR UCIP - omagana)6/29/2016 No markers present on WS and LS. Need to contact Art (USACE representative) to obtain record drawings of the Slurry wall completed approximately 5 years ago. All crossing through the levee were identified. (DWR UCIP omagana)1/1/2014 Frank Miller Superintendent Marysville Levee Commission: To whom it may concern, Marysville Levee Commisiion in process of drafting a letter to South Pacific Pipelines Inc. Inquiring line status wether active or non-active as well as cordinates. (LMA Superintendent - fmiller)3/15/2013 Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. (DWR UCIP -

FIELD STRUCT DESC: 8.625-inch steel petroleum line sleeved through 12-inch, then 30-inch line, annular gaps grouted, 3 feet below crown. Two standard metal cutoff walls around pipe. Extends beyond levee on both waterside (WS) and landside (LS). (8.625-inch line installed under Permit No. 3823, 1962 - Southern Pacific Pipelines Inc.; name change completed under Permit No. 3823-1, 2013 - SFPP, LP operates as a subsidiary of Kinder Morgan, Inc.) [Additional

Reference(s): DWR Levee Log, 1993 and 2005]

FS Date: 6/29/2016

No Photos

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                  | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|---------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 Feather River | Left | 1.25       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start                         | 0.82      | Rating **    | М                      | Issue No.  |     | 13           |  |
|----------------------------------|-----------|--------------|------------------------|------------|-----|--------------|--|
| LM End                           | 0.82      | Issue Type + | Ma                     | Location * | LS  |              |  |
| Earthen Levee                    |           |              | GPS Latitude/Longitude |            |     |              |  |
| Category                         |           |              |                        |            |     | End          |  |
| Item                             | Slope Sta | bility       |                        | 39.1388    | 27° | 39.138827°   |  |
| пеш                              |           |              |                        |            | 30° | -121.599530° |  |
| DWR ID DWR_NA0004_02_f _ 2016_13 |           |              |                        |            |     |              |  |
| Comment Code                     |           |              |                        |            |     |              |  |

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

#### Inspector Comment

Foot path depression in the landside levee slope needs repaired. Fall 2016.



View of foot path depression in the landside levee slope. Fall 2016.

Photo 1 of 1: FA\_2016\_NA0004\_105\_14\_20161013\_00018.jpg

| LM Start                         | 0.85            | Rating **    | М                      | Issue No.  |              | 14         |
|----------------------------------|-----------------|--------------|------------------------|------------|--------------|------------|
| LM End                           | 0.85            | Issue Type + | Ma                     | Location * | LS           |            |
| Earthen Levee                    |                 |              | GPS Latitude/Longitude |            |              |            |
| Category                         |                 |              | Start                  |            | End          |            |
| Item                             | Slope Stability |              |                        | 39.1384    | 63°          | 39.138463° |
| item                             |                 |              | -121.5991              | 68 °       | -121.599168° |            |
| DWR ID DWR_NA0004_02_f _ 2016_14 |                 |              |                        |            |              |            |

#### Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

#### Inspector Comment

Remove steps that are cut into levee slope. Fall 2016.



View of steps for foot path in the landside levee slope. Fall 2016.

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                  | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|---------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 Feather River | Left | 1.25       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start     | 0.87     | Rating **     | М                      | Issue No.  |              | 17          |  |
|--------------|----------|---------------|------------------------|------------|--------------|-------------|--|
| LM End       | 0.87     | Issue Type +  | En                     | Location * | ocation * LS |             |  |
| Supplemental |          |               | GPS Latitude/Longitude |            |              |             |  |
| Calegory     | Category |               |                        | Start      |              | End         |  |
| Item         | DWR UCI  | P Field Study |                        | 39.13826   | 9°           | 39.138269   |  |
| пеш          |          |               |                        | -121.59900 | 4 °          | -121.599004 |  |
| DWR ID       |          |               |                        |            |              |             |  |

# Inspector Comment

Comment Code

FS\_ID:40940 DS\_ID:19123 EP\_NO: N/A

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Unable to tell if crossing goes through levee; according to Frank Miller crossing does not cross levee. Need to

contact owner to confirm alignment.

FIELD\_STRUCT\_DESC: Fiber optics communication line through

levee. Marker on waterward shoulder.

FS Date: 3/15/2013

| LM Start | 0.87 | Rating **    | М  | Issue No.  | 17 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End   | 0.87 | Issue Type + | En | Location * | LS        |

# Photo 1 of 2 : UCIP\_FA\_2016\_40940\_69802.jpg

View of waterward slope.

## Photo 2 of 2: UCIP\_FA\_2016\_40940\_69801.jpg



Buried fiber optical cable marker with contact information located on landward shoulder.

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence
En : Enforcement

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                  | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|---------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 Feather River | Left | 1.25       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start                         | 0.89      | Rating **    | М                      | Issue No.    |           | 15          |
|----------------------------------|-----------|--------------|------------------------|--------------|-----------|-------------|
| LM End                           | 0.89      | Issue Type + | Ma                     | Location *   | tion * LS |             |
| Category Earthen Levee           |           |              | GPS Latitude/Longitude |              |           |             |
|                                  |           |              | Start                  |              | End       |             |
| Itom                             | Animal Co | ontrol       |                        | 39.1379      | 89°       | 39.137989   |
| Item                             |           |              |                        | -121.598756° |           | -121.598756 |
| DWR ID DWR_NA0004_02_f _ 2016_15 |           |              |                        |              |           |             |
| Comment Code                     |           |              |                        |              |           |             |

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

#### Inspector Comment

Squirrel holes in the landside levee slope need to be back filled, no sign of squirrels. Fall 2016.

# Photo 1 of 1: FA\_2016\_NA0004\_105\_15\_20161013\_00019.jpg

View of squirrel holes in the landside levee slope, no sign of squirrels. Fall 2016.

| LM Start | 0.91    | Rating **     | М   | Issue No.              |     | 16         |  |  |
|----------|---------|---------------|-----|------------------------|-----|------------|--|--|
| LM End   | 0.91    | Issue Type +  | En  | Location *             |     | LS         |  |  |
| Category |         |               |     | GPS Latitude/Longitude |     |            |  |  |
| Calegory |         |               |     | Start                  |     | End        |  |  |
| Item     | DWR UCI | P Field Study |     | 39.1377                | 49° | 39.137749° |  |  |
| item     |         | -121.5985     | 60° | -121.598560 °          |     |            |  |  |
| DWR ID   |         |               |     |                        |     |            |  |  |

#### Comment Code

#### Inspector Comment

FS\_ID:38272 DS\_ID:19104 EP\_NO: N/A

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Unable to tell if crossing goes through levee. Need to contact owner to confirm alignment.

FIELD\_STRUCT\_DESC: 12-inch HDPE conduit, with electrical lines, through the levee. Extends to controller cabinet within the overflow area. FS Date: 3/15/2013

#### Photo 1 of 2: UCIP\_FA\_2016\_38272\_69804.jpg



View of markers located on waterward toe.

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway                  | Bank | Unit Miles | Inspection<br>Start/End  | Inspector        |
|---------------------------|------|------------|--------------------------|------------------|
| Unit No. 02 Feather River | Left | 1.25       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start     | 0.91         | Rating **     | М                      | Issue No.  | 16 (cont) |               |  |
|--------------|--------------|---------------|------------------------|------------|-----------|---------------|--|
| LM End       | 0.91         | Issue Type +  | En                     | Location * | LS        |               |  |
| Supplemental |              |               | GPS Latitude/Longitude |            |           |               |  |
| Category     | Category     |               |                        | Start      |           | End           |  |
| Item         | DWR UCI      | P Field Study |                        | 39.13774   | 19°       | 39.137749 °   |  |
| пеш          |              |               |                        | -121.59856 | 60°       | -121.598560 ° |  |
| DWR ID       |              |               |                        |            |           |               |  |
|              | Comment Code |               |                        |            |           |               |  |

#### Inspector Comment

FS\_ID:38272 DS\_ID:19104 EP\_NO: N/A

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Unable to tell if crossing goes through levee. Need to

contact owner to confirm alignment.

FIELD\_STRUCT\_DESC: 12-inch HDPE conduit, with electrical lines, through the levee. Extends to controller cabinet within the overflow area. FS Date: 3/15/2013

P\_NO. N/A

Photo 2 of 2 : UCIP\_FA\_2016\_38272\_69805.jpg



View of markers located on waterward toe.

## **Unit Cover Sheet**

#### Fall 2016 Levee Inspection Results

# **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles |
|------------------------|-------|------------|
| Unit No. 03 Yuba River | Right | 6.79       |

|                                     | Spring<br>(March - May)                   | Summer<br>(June - August) | (September - November)<br>Fall            | Winter<br>(December - February) |
|-------------------------------------|---|---------------------------|---|---------------------------------|
| Unit Maintenance Rating (Fall Only) |   |                           | U   |                                 |
| Date of Inspection                  | 4/22/2016 - 4/22/2016                     |                           | 10/11/2016 - 10/11/2016                   |                                 |
| DWR Inspector                       | Sterling York                             |                           | Sterling York                             |                                 |
| Accompanied By                      | Frank Miller<br>Marysville Levee District |                           | Frank Miller<br>Marysville Levee District |                                 |

#### Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

#### http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| 11100   | 0.01      | Rating **     | Α         | Issue No.     |        | 46            |  |
|---|-----------|---------------|-----------|---------------|--------|---------------|--|
| LM Start                                      | 0.01      | Rating        | Α         | issue ivo.    |        | 40            |  |
| LM End  | 0.43      | Issue Type +  | Ма        | Location *    |        | WS            |  |
| Category Earthen Levee                        |           |               |           | GPS La        | atitud | le/Longitude  |  |
| Calegory                                      |           |               |           | Start         |        | End           |  |
| Item  | Vegetatio | n             |           | 39.1348       | 58°    | 39.135453°    |  |
| item  |           |               |           | -121.593625 ° |        | -121.586079 ° |  |
| DWR ID DWR_NA0004_03_f _ 2016_46              |           |               |           |               |        |               |  |
|   |           | Comn          | nent Cod  | de            |        |               |  |
| V1 : Contre                                   |           | grass and wee | eds on th | e levee slo   | pes    | and           |  |
|   |           | Inspecto      | or Comm   | nent          |        |               |  |
| Well maintained annual vegetation. Fall 2016. |           |               |           |               |        |               |  |
|   |           |               |           |               |        |               |  |
|   |           |               |           |               |        |               |  |
|   |           |               |           |               |        |               |  |

# Photo 1 of 1: FA\_2016\_NA0004\_106\_46\_20161013\_00055.jpg

View of the waterside looking upstream of the well maintained annual vegetation. Fall 2016.

| LM Start  | 0.01      | Rating **      | Α          | Issue No.              | 45         |               |  |
|---|-----------|----------------|------------|------------------------|------------|---------------|--|
| LM End  | 0.43      | Issue Type +   | Ма         | Location *             |            | LS            |  |
| Cotogony  | Earthen L | evee           |            | GPS Latitude/Longitude |            |               |  |
| Calegory  | Category  |                |            |                        |            | End           |  |
| Item  | Vegetatio | n              | 39.134858° |                        | 39.135454° |               |  |
| item  |           |                |            | -121.5936              | 25°        | -121.586081 ° |  |
| DWR ID  | DWR_NA0   | 004_03_f _ 201 | 6_45       |                        |            |               |  |
| Comment Code  |           |                |            |                        |            |               |  |
| V1 : Control annual grass and weeds on the levee slopes and |           |                |            |                        |            |               |  |

easements.

#### Inspector Comment

Well maintained annual vegetation. Fall 2016.

# Photo 1 of 1: FA\_2016\_NA0004\_106\_45\_20161013\_00056.jpg



View of the landside looking upstream of the well maintained annual vegetation. Fall 2016.

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 0.04         | Rating **     | М  | Issue No.  |       | 54          |   |
|----------|--------------|---------------|----|------------|-------|-------------|---|
| LM End   | 0.04         | Issue Type +  | En | Location * |       | LS          |   |
| Category | Suppleme     | ental         |    | GPS La     | titud | e/Longitude |   |
| Category |              |               |    | Start      |       | End         |   |
| Item     | DWR UCI      | P Field Study |    | 39.1350    | 10°   | 39.135010   | 0 |
| пеш      |              |               |    | -121.5932  | 25 °  | -121.593225 | 0 |
| DWR ID   |              |               |    |            |       |             |   |
|          | Comment Code |               |    |            |       |             |   |

# Inspector Comment

FS\_ID:41024 DS\_ID:25055 EP\_NO: N/A

LM End

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Appears that crossing is currently not in use. If crossing is to be abandoned, wwner will need to contact CVFPB to

coordinate about proper removal.

0.04

FIELD\_STRUCT\_DESC: 10-inch sewer line visible on landward side. According to Marysville Treatment Plant Manager this crossing was installed in 1995-1996. Coordinates for box located on landward side: 39.135185, -121.593254. Note coordinates used for levee crossing are projected coordinates.

En

Location '

Issue Type +



Inside view of concrete box.

#### Photo 2 of 2: UCIP\_FA\_2016\_41024\_72680.jpg



View of concrete box located on landward side--crossing not in use according to Marysville Sewage Treatment Plant Manager.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

54 (cont)

LS

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 0.07         | Rating **     | М  | Issue No.              |      | 55            |
|----------|--------------|---------------|----|------------------------|------|---------------|
| LM End   | 0.07         | Issue Type +  | En | Location *             |      | LS            |
| Category | Suppleme     | ental         |    | GPS Latitude/Longitude |      |               |
| Calegory |              |               |    | Start                  |      | End           |
| Item     | DWR UCI      | P Field Study |    | 39.1350                | 90°  | 39.135090°    |
| пеш      |              |               |    | -121.5926              | 63 ° | -121.592663 ° |
| DWR ID   |              |               |    |                        |      |               |
|          | Comment Code |               |    |                        |      |               |

# Inspector Comment

FS\_ID:41025 DS\_ID:19126 EP\_NO: N/A

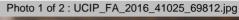
Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Owner will need to coordinate with DWR-Inspector and CVFPB to determine if crossing meets Title 23 requirements for proper abandonment.

FIELD\_STRUCT\_DESC: Abandoned 24-inch diameter outfall line through levee, under Permit No. 4714 (1963). Pipe completely grouted in levee section, cut at slopes. Coordinates for box located on landward side: 39.135259, -121.592593. Note coordinates used for levee crossing are projected coordinates.

FS Date: 3/15/2013

| LM Start | 0.07 | Rating **    | М  | Issue No.  | 55 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End   | 0.07 | Issue Type + | En | Location * | LS        |





Abandoned line sealed with metal plate.

Photo 2 of 2: UCIP\_FA\_2016\_41025\_69811.jpg



Standpipe where old line is still located.

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 0.19     | Rating **              | M        | Issue No.  |      | 52          |   |
|----------|----------|------------------------|----------|------------|------|-------------|---|
| LM End   | 0.19     | Issue Type +           | En       | Location * |      | LS          |   |
| Category | Suppleme | GPS Latitude/Longitude |          |            |      |             |   |
| Calegory |          |                        |          | Start      |      | End         |   |
| Item     | DWR UC   | IP Field Study         |          | 39.1351    | 57°  | 39.135157   | 0 |
| пеш      |          |                        |          | -121.5903  | 52 ° | -121.590352 | 0 |
| DWR ID   |          |                        |          |            |      |             |   |
|          |          | Comn                   | nent Coo | de         |      |             |   |

# Inspector Comment

FS\_ID:41008 DS\_ID:19129 EP\_NO: N/A

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Does not appear to go through levee. Will need to contact owner to determine alignment and condition of crossing. If crossing goes through levee owner should provide date of last inspection and confirmation that crossing is still in operable condition. Need photos of area--no photos available.

FIELD\_STRUCT\_DESC: Partially abandoned 8-inch pipe through levee, filled and pressure grouted. Approx. 390-feet from crown landward was removed from levee, approx. 285-feet waterward was abandoned. Replaced with 10-inch gas line under pedestrian walkway, 5-feet parallel to landward toe under Permit No. 3176 (1960).

FS Date: 3/19/2013

No Photos

No Photos

| LM S | Start        | 0.26     | Rating **     | M                      | Issue No.  | 58  |              |
|------|--------------|----------|---------------|------------------------|------------|-----|--------------|
| LM E | End          | 0.26     | Issue Type +  | En                     | Location * | LS  |              |
| Cate | aorv         | Suppleme |               | GPS Latitude/Longitude |            |     |              |
| Cale | gory         |          |               |                        | Start      |     | End          |
| Ite  | m            | DWR UCI  | P Field Study |                        | 39.13512   | 28° | 39.135128°   |
| itei |              |          |               |                        | -121.58910 | 00° | -121.589100° |
| DWF  | R ID         |          |               |                        |            |     |              |
|      | Comment Code |          |               |                        |            |     |              |

#### Inspector Comment

FS\_ID:40944 DS\_ID:19130 EP\_NO: 2550

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Pacbell manhole on LS slope unable to determine if this manhole is part of submarine cable crossing. Will need to contact the City of Marysville.

FIELD\_STRUCT\_DESC: Submarine cable crossings, two underground telephone cables through levee, 4.6 feet, below crown. Concrete cutoff wall around cables underneath crown. (Permit No. 2550-1957).

FS Date: 3/19/2013

\* Location N/A: Not Applicable LS: Land Side WS: Water Side

A: Acceptable Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En: Enforcement

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 0.39         | Rating **     | U  | Issue No.              |     | 59           |  |
|----------|--------------|---------------|----|------------------------|-----|--------------|--|
| LM End   | 0.39         | Issue Type +  | En | Location *             |     | LS           |  |
| Category | Supplemental |               |    | GPS Latitude/Longitude |     |              |  |
| Calegory |              |               |    | Start                  |     | End          |  |
| Item     | DWR UCI      | P Field Study |    | 39.1353                | 14° | 39.135314°   |  |
| пеш      |              |               |    | -121.5866              | 13° | -121.586613° |  |
| DWR ID   |              |               |    |                        |     |              |  |

#### Comment Code

#### Inspector Comment

FS\_ID:49942 DS\_ID:19131 EP\_NO: 3823 Repair Type: Urgent Crossing Status: Not Found

UCIP Comments: 6/30/2016 Coordinating with USACE to obtain record drawings available during the construction of the Slurry Wall. (DWR UCIP - omagana)6/29/2016 No markers were found on WS or LS. (DWR UCIP - omagana)1/1/2014 Frank Miller Superintendent Marysville Levee Commission.Marysville Levee Commission in process of drafting letter to South Pacific Pipe Lines Inc.concerning line status, wether active or non-active as well as cordinates. (LMA Superintendent - fmiller)3/19/2013 Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. (DWR UCIP - omagana)

FIELD\_STRUCT\_DESC: 8.625-inch steel petroleum line sleeved through 12-inch, then 30-inch line, annular gaps grouted, 3 feet below crown. Standard metal cutoff wall around pipe in line with shoulder. Line extends beyond levee on both waterside (WS) and landside (LS). (8.625-inch gas line installed under Permit No. 3823, 1962 - Southern Pacific Pipelines Inc.; name change completed under Permit No. 3823-1, 2013 - SFPP, LP operates as a subsidiary of Kinder Morgan, Inc.) [Additional Reference(s): DWR Levee Log, 1993 and 2005] FS Date: 6/29/2016

1 6 Bate: 6/26/2016





View of LS slope--no markers found.



View of WS slope--no markers found.

\* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

\*\* Rating
A: Acceptable N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

\*\* Rating
A: Acceptable M: N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 0.43          | Rating **      | М          | Issue No.      |              | 29         |  |  |
|----------|---------------|----------------|------------|----------------|--------------|------------|--|--|
| LM End   | 2.13          | Issue Type +   | Ma         | Location *     |              | LS         |  |  |
| Category | Earthen Levee |                |            | GPS Latitude/I |              |            |  |  |
| Calegory | alegory       |                |            |                |              | End        |  |  |
| Item     | Vegetatio     | n              |            | 39.1354        | 54°          | 39.154297° |  |  |
| пеш      |               |                | -121.58608 | 30°            | -121.570027° |            |  |  |
| DWR ID   | DWR_NA0       | 004_03_f _ 201 | 6_29       |                |              |            |  |  |
|          | Comment Code  |                |            |                |              |            |  |  |

V1 : Control annual grass and weeds on the levee slopes and easements.

#### Inspector Comment

This section of maintaining annual vegetation still needs to be finished, it is in the process. Fall 2016.

#### Photo 1 of 1: FA\_2016\_NA0004\_106\_29\_20161013\_00057.jpg



View looking upstream of the landside slope where the annual vegetation maintenance needs to be completed. Fall 2016.

| LM Start | 0.43                        | Rating **    | М         | Issue No.              |              | 27         |
|----------|-----------------------------|--------------|-----------|------------------------|--------------|------------|
| LM End   | 2.13                        | Issue Type + | Ma        | Location *             |              | WS         |
| Category | Earthen Levee               |              |           | GPS Latitude/Longitude |              |            |
| Calegory |                             |              |           |                        |              | End        |
| Item     | Vegetatio                   | n            |           | 39.1354                | 54°          | 39.154297° |
| item     |                             |              | -121.5860 | 79°                    | -121.570027° |            |
| DWR ID   | D DWR_NA0004_03_f _ 2016_27 |              |           |                        |              |            |

#### Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

#### Inspector Comment

This section of maintaining annual vegetation still needs to be finished, it is in the process. Fall 2016.

#### Photo 1 of 1: FA\_2016\_NA0004\_106\_27\_20161013\_00058.jpg



View looking upstream of the waterside slope where the annual vegetation maintenance needs to be completed. Fall 2016.

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 0.44     | Rating **      | U      | Issue No.   |      | 60          |   |
|----------|----------|----------------|--------|-------------|------|-------------|---|
| LM End   | 0.44     | Issue Type +   | En     | Location *  |      | WS          |   |
| Category | Suppleme | GPS La         | atitud | e/Longitude |      |             |   |
| Calegory |          |                |        | Start       |      | End         |   |
| Item     | DWR UC   | IP Field Study | ,      | 39.1355     | 77°  | 39.135577   | 0 |
| item     |          |                |        | -121.5860   | 23 ° | -121.586023 | 0 |
| DWR ID   |          |                |        |             |      |             |   |
|          |          | _              |        |             |      |             |   |

Comment Code

#### Inspector Comment

FS\_ID:49943 DS\_ID:19132 EP\_NO: 2663 Repair Type: Urgent Crossing Status: Not Found

UCIP Comments: 6/30/2016 Coordinating with the USACE to determine if record drawings are available of previous or future Slurry Wall project. (DWR UCIP - omagana)6/29/2016 No markers found on WS or LS. (DWR UCIP - omagana)1/1/2014 Frank Miller Superintendent Marysville Levee Commission. To whom it may concern, Marysville Levee Commission in process of drafting a letter to PG&E. concerning line status wether active or non-active as well as cordinates. (LMA Superintendent - fmiller)3/15/2013 Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. (DWR UCIP - omagana)

FIELD\_STRUCT\_DESC: 0.75-inch steel gas line through levee, 5 feet below the crown. Concrete markers on both waterside (WS) and landside (LS). Line is encased in 6 inches of concrete, steel cutoff wall is located near the center of levee. (Permit No. 2663, 1958 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1993 and 2005]

FS Date: 6/29/2016

No Photos

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 0.47         | Rating **     | М  | Issue No.  |                        | 56          |   |  |
|----------|--------------|---------------|----|------------|------------------------|-------------|---|--|
| LM End   | 0.47         | Issue Type +  | En | Location * |                        | WS          |   |  |
| Category | Supplemental |               |    |            | GPS Latitude/Longitude |             |   |  |
| Category |              |               |    | Start      |                        | End         |   |  |
| Item     | DWR UCI      | P Field Study |    | 39.13593   | 2 °                    | 39.135932   | 0 |  |
| пеш      |              |               |    | -121.58552 | 9°                     | -121.585529 | 0 |  |
| DWR ID   |              |               |    |            |                        |             |   |  |

# Inspector Comment

Comment Code

FS\_ID:40969 DS\_ID:19133 EP\_NO: 1983

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Need to contact owner. Unable to determine if

crossing is still in use.

FIELD\_STRUCT\_DESC: 3/4-inch water line through the levee. Water meter at landward toe. Extends from nearby buildings, bunkers, suction

dredge on waterward side. (Permit No. 1983-1959).

FS Date: 3/15/2013

| LM Start | 0.47 | Rating **    | М  | Issue No.  | 56 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End   | 0.47 | Issue Type + | En | Location * | WS        |

# Photo 1 of 2: UCIP\_FA\_2016\_40969\_72683.jpg

Underground service alert (USA) blue paint indicators of water line present on landward side.

#### Photo 2 of 2: UCIP\_FA\_2016\_40969\_72682.jpg



View of waterward slope--unable to confirm if crossing is active--line buried.

#### Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 0.48         | Rating **      | М  | Issue No.              |     | 61           |  |  |
|----------|--------------|----------------|----|------------------------|-----|--------------|--|--|
| LM End   | 0.48         | Issue Type +   | En | Location *             | WS  |              |  |  |
| Category | Supplemental |                |    | GPS Latitude/Longitude |     |              |  |  |
| Calegory |              |                |    | Start                  |     | End          |  |  |
| Item     | DWR UCI      | IP Field Study |    | 39.13597               | 6°  | 39.135976°   |  |  |
| пеш      |              |                |    | -121.58543             | 4 ° | -121.585434° |  |  |
| DWR ID   |              |                |    |                        |     |              |  |  |

# Comment Code

#### Inspector Comment

FS\_ID:49944 DS\_ID:19134 EP\_NO: N/A

Repair Type: Non-Urgent Crossing Status: Indicator Found

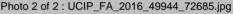
UCIP Comments: 6/30/2016 Records show line is along LS toe. Need to confirm if line crosses levee. Coordinating with USACE to determine if line was found through levee during the planning phase of the Slurry Wall Project. If crossing does not go through the levee record will need to be removed from UCIP list. (DWR UCIP - omagana)6/29/2016 \*ABANDONED\* line. According to Frank Miller, LMA Representative, line has been abandoned. Line was used by Fast Products Company, manufacturer of cement benches and rock trash cans. The Fast Products Company building has been removed and line abandoned. Markers previously located on the WS have been removed/destroyed. (DWR UCIP - omagana)1/1/2014 Frank Miller Marysville Levee Commission. To whom it may concern, Marysville Levee Commission is in process of drafting a letter to determine owner as well as determine line status, wether active or non-active as well as cordinates. (LMA Superintendent - fmiller)3/15/2013 Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. (DWR UCIP omagana)

FIELD\_STRUCT\_DESC: 8-inch high pressure gas line along landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993 and 2005] FS Date: 6/29/2016

| LM Start | 0.48 | Rating **    | М  | Issue No.  | 61 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End   | 0.48 | Issue Type + | En | Location * | WS        |



View of LS.





PG&E gas line

\* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

\*\* Rating

A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence Cn: Crown

\*\* Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

# Levee Inspection Report By Mile - Fall 2016

# **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start              | 0.55                 | Rating **              | М          | Issue No.  |            | 62            |
|-----------------------|----------------------|------------------------|------------|------------|------------|---------------|
| LM End                | 0.55                 | Issue Type +           | En         | Location * | WS         |               |
| Category Supplemental |                      | GPS Latitude/Longitude |            |            |            |               |
|                       |                      |                        | Start      |            | End        |               |
| Item                  | DWR UCIP Field Study |                        | 39.136348° |            | 39.136348° |               |
| пеш                   |                      |                        |            | -121.5841  | 71 °       | -121.584171 ° |
| DWR ID                |                      |                        |            |            |            |               |
| Comment Code          |                      |                        |            |            |            |               |

# Inspector Comment

FS\_ID:49945 DS\_ID:25058 EP\_NO: N/A

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: 6/30/2016 Coordinating with USACE to obtain details of crossing obtained during the planning phase of the Slurry Wall project. (DWR UCIP - omagana)6/29/2016 PG&E marker found on LS. Marker plate found on the LS ramp. No marker was found on the WS. (DWR UCIP - omagana)1/1/2014 Frank Miller Superintendent Marysville Levee Commission. To whom it may concern, Marysville Levee Commission is in process of drafting a letter to determine line owner as well as line status, wether active or non-active as well as cordinates. (LMA Superintendent - fmiller)3/14/2013 Unable to confirm if marker is for new line or if marker is for crossing immediately upstream of this marker. (DWR UCIP - omagana) FIELD\_STRUCT\_DESC: 8-inch steel line through the levee at an

FIELD\_STRUCT\_DESC: 8-inch steel line through the levee at an unknown depth. Underground service alert (USA) flags are visible on the landside (LS). Points recorded for this line include 39.1363869999, -121.584067444; 39.136348328, -121.584171185.

FS Date: 6/29/2016

| LM Start | 0.55 | Rating **    | М  | Issue No.  | 62 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End   | 0.55 | Issue Type + | En | Location * | WS        |



View of LS--underground alert service (USA) flags visible on LS shoulder.

Photo 2 of 2: UCIP\_FA\_2016\_49945\_72700.jpg



View of levee crown.

\* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

\*\* Rating
A: Acceptable N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

\*\* Rating
A: Acceptable M: N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 0.57                 | Rating **    | М  | Issue No.              |     | 63            |  |
|----------|----------------------|--------------|----|------------------------|-----|---------------|--|
| LM End   | 0.57                 | Issue Type + | En | Location *             | WS  |               |  |
| Category |                      |              |    | GPS Latitude/Longitude |     |               |  |
| Calegory | Category             |              |    |                        |     | End           |  |
| Item     | DWR UCIP Field Study |              |    | 39.13647               | '6  | 39.136476°    |  |
| пеш      |                      |              |    | -121.58380             | 3 ° | -121.583803 ° |  |
| DWR ID   |                      |              |    |                        |     |               |  |

#### Comment Code

#### Inspector Comment

FS\_ID:49947 DS\_ID:19135 EP\_NO: 3823

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: 6/29/2016 Marker found on LS slope. Marker on WS shoulder has been removed (vadalism). 1/1/2014 Frank Miller Superintendent Marysville Levee Commission. (DWR UCIP omagana)To whom it may concern, Marysville Levee Commission is in process of drafting a letter to South Pacific Pipe Lines Inc. to determine line status, wether active non-active, as well as cordinates. (LMA Superintendent - fmiller)3/14/2016 Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. Multiple indicators of gas lines unable to confirm if this crossing is the line referenced in desk study--Need to contact owner. (DWR UCIP -

FIELD\_STRUCT\_DESC: 8.625-inch steel petroleum line sleeved through 12 inch, then 30 inch line, annular gaps grouted, 3 feet below crown. Standard metal cutoff wall around pipe in line with shoulder. Line extends beyond levee on both waterside (WS) and landside (LS). (8.625-inch line installed under Permit No. 3823, 1962 - Southern Pacific Pipelines Inc.; name change completed under Permit No. 3823-1, 2013 - SFPP, LP operates as a subsidiary of Kinder Morgan, Inc.) [Additional Reference(s): DWR Levee Log, 1993 and 2005] FS Date: 6/29/2016

| LM Start | 0.57 | Rating **    | М  | Issue No.  | 63 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End   | 0.57 | Issue Type + | En | Location * | WS        |

#### Photo 1 of 2: UCIP\_FA\_2016\_49947\_72690.jpg



View of WS--marker visible inside channel.

#### Photo 2 of 2: UCIP\_FA\_2016\_49947\_72689.jpg



View of upstream levee.

| * Location   | ** Rating  |   | + Issue Type   |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 0.58     | Rating **            | М  | Issue No.              |     | 57            |
|----------|----------|----------------------|----|------------------------|-----|---------------|
| LM End   | 0.58     | Issue Type +         | En | Location *             | WS  |               |
| Category |          |                      |    | GPS Latitude/Longitude |     |               |
| Calegory | Calegory |                      |    |                        |     | End           |
| Item     | DWR UCI  | DWR UCIP Field Study |    |                        | 56° | 39.136556°    |
| пеш      |          |                      |    | -121.58362             | 26° | -121.583626 ° |
| DWR ID   |          |                      |    |                        |     |               |

#### Inspector Comment

Comment Code

FS\_ID:40975 DS\_ID:25059 EP\_NO: N/A

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Need to coordinate with owner to determine status of crossing, details of crossing (install date and pipe size) and CVFPB permit number issued.

FIELD\_STRUCT\_DESC: Communication line marker found near levee

crown.

FS Date: 3/14/2013

| Sec. Mili |  |      |           |     |
|-----------|--|------|-----------|-----|
|           |  | A.T. | 111       | 1 m |
|           | A PARTY OF THE PROPERTY OF THE |      |           |     |
|           |  |      |           |     |
|           |  |      | -4        |     |
|           |  |      |           |     |
|           |  |      |           |     |
|           |  |      | 5 3 3 3 S | 200 |

Photo 1 of 2: UCIP\_FA\_2016\_40975\_72696.jpg

View of landward side.

### LM Start 0.58 Rating \*\* M Issue No. 57 (cont) LM End 0.58 Issue Type + En Location \* WS

#### Photo 2 of 2: UCIP\_FA\_2016\_40975\_72695.jpg



View of landward side.

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start   | 0.72          | Rating **    | M     | Issue No.    |        | 25            |  |
|--|---------------|--------------|-------|--------------|--------|---------------|--|
| LM End   | 0.72          | Issue Type + | En    | Location *   |        | LS            |  |
| Earthen Levee                                    |               |              |       | GPS La       | atitud | e/Longitude   |  |
| Category   |               |              | Start |              | End    |               |  |
| Item   | Encroachments |              |       | 39.1382      | 61 °   | 39.138261°    |  |
| ilem   |               |              |       | -121.583318° |        | -121.583318 ° |  |
| DWR ID DWR_NA0004_03_f _ 2016_25                 |               |              |       |              |        |               |  |
| Comment Code                                     |               |              |       |              |        |               |  |
| BU : Build                                       | ing           |              |       |              |        |               |  |
|  |               |              |       |              |        |               |  |
| Inspector Comment                                |               |              |       |              |        |               |  |
| Could not find permit for this house. Fall 2016. |               |              |       |              |        |               |  |
|  |               |              |       |              |        |               |  |
|  |               |              |       |              |        |               |  |
|  |               |              |       |              |        |               |  |



View of House and shed at the landside levee toe looking upstream. Fall 2016.

| LM Start                                      | 0.74          | Rating **    | М        | Issue No.  |        | 26            |  |
|---|---------------|--------------|----------|------------|--------|---------------|--|
|   |               |              |          | 1          |        |               |  |
| LM End  | 0.77          | Issue Type + | En       | Location * |        | LS            |  |
| Category Earthen Levee                        |               |              |          | GPS La     | atitud | e/Longitude   |  |
|   |               |              |          | Start      |        | End           |  |
| Item  | Encroachments |              |          | 39.1386    | 76°    | 39.139039°    |  |
| item  | item          |              |          |            | 66 °   | -121.583335 ° |  |
| DWR ID DWR_NA0004_03_f _ 2016_26              |               |              |          |            |        |               |  |
|   |               | Comn         | nent Cod | de         |        |               |  |
| FE : Fence                                    | )             |              |          |            |        |               |  |
|   |               |              |          |            |        |               |  |
| Inspector Comment                             |               |              |          |            |        |               |  |
| Unpermitted fence along levee toe. Fall 2016. |               |              |          |            |        |               |  |
|   |               |              |          |            |        |               |  |
|   |               |              |          |            |        |               |  |



View of fence that runs along landside levee toe. Fall 2016.

| LM Start   | 0.83                            | Rating **    | М        | Issue No.  |     | 4            |  |  |  |
|--|---------------------------------|--------------|----------|------------|-----|--------------|--|--|--|
| LM End   | 0.83                            | Issue Type + | En       | Location * |     | LS           |  |  |  |
| Category   | GPS Latitude/Longitude          |              |          |            |     |              |  |  |  |
| Category   | Category                        |              |          |            |     | End          |  |  |  |
| Item   | Encroachments                   |              |          | 39.1398    | 43° | 39.139843°   |  |  |  |
| item   | item                            |              |          |            | 33° | -121.583033° |  |  |  |
| DWR ID   | DWR ID DWR_NA0004_03_s _ 2012_4 |              |          |            |     |              |  |  |  |
|  |                                 | Comn         | nent Cod | de         |     |              |  |  |  |
| BU : Buildi  | ng                              |              |          |            |     |              |  |  |  |
|  |                                 |              |          |            |     |              |  |  |  |
|  | Inspector Comment               |              |          |            |     |              |  |  |  |
| This building is at least 30 years old and is part of the PG&E site. |                                 |              |          |            |     |              |  |  |  |
|  |                                 |              |          |            |     |              |  |  |  |
|  |                                 |              |          |            |     |              |  |  |  |



Building encroaching at landside levee toe.

| * Location   | ** Rating  |   | + Issue Type   |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start   | 1.00      | Rating **      | М      | Issue No.   |     | 30           |
|--|-----------|----------------|--------|-------------|-----|--------------|
| LM End   | 1.00      | Issue Type +   | Ma     | Location *  |     | LS           |
| Category   | evee      | GPS La         | atitud | e/Longitude |     |              |
| Calegory   |           |                |        |             |     | End          |
| Item   | Slope Sta | ope Stability  |        |             | 67° | 39.142167°   |
| item   |           |                |        | -121.5828   | 17° | -121.582817° |
| DWR ID   | DWR_NA0   | 004_03_f _ 201 | 6_30   |             |     |              |
| Comment Code   |           |                |        |             |     |              |
| S2 : Repair the levee slope damaged by foot traffic and prevent access |           |                |        |             |     |              |

where possible.

#### Inspector Comment

Path cut in by foot traffic on the landside slope needs repaired. Fall 2016.



View of path cut in by foot traffic on the landside slope. Fall 2016.

| LM Start | 1.13     | Rating **     | М      | Issue No.  |              | 64           |
|----------|----------|---------------|--------|------------|--------------|--------------|
| LM End   | 1.13     | Issue Type +  | En     | Location * | ocation * LS |              |
| Category | Suppleme | ental         | GPS La | atitud     | le/Longitude |              |
| Calegory |          |               |        |            |              | End          |
| Item     | DWR UCI  | P Field Study |        | 39.1440    | 21 °         | 39.144021 °  |
| item     |          |               |        | -121.5832  | 01°          | -121.583201° |
| DWR ID   |          |               |        |            |              |              |

#### Comment Code

#### Inspector Comment

FS ID:49949 DS\_ID:19139 EP\_NO: 10787 Repair Type: Non-Urgent

Crossing Status: Indicator Found

UCIP Comments: 6/29/2016 According to Frank Miller, LMA representative, line was capped off approximately 5 years ago. Line was backfilled and capped off through the levee. (DWR UCIP omagana)1/1/2014 Frank Miller Superintendent Marysville Levee Commission. To whom it may concern, Marysvile Levee Commission is in proccess of drafting letter to PG&E. to determine line status wether active or non-active as well as cordinates. (LMA Superintendent fmiller)3/14/2013 Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. (DWR UCIP - omagana)
FIELD\_STRUCT\_DESC: \*ABANDONED\* 2-inch steel gas line with

concrete cutoff wall, through the levee, 7 feet below crown. Extends parallel to levee 10-feet waterward of levee toe. (Permit No. 10787, 1976 - Pacific Gas and Electric Co. [PG&E]). [Additional Reference(s): DWR Levee Log, 1993 and 2005]

FS Date: 6/29/2016



View of LS where crossing should be.

| * Location                          | ** Rating                |   | + Issue Type                      |
|-------------------------------------|--------------------------|---|-----------------------------------|
| LS : Land Side N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiancy       |
| WS: Water Side                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |
| CR · Crown                          | U · Unaccentable         | A/W · Acceptable but Monitor & Maintain | En : Enforcement                  |

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 1.13     | Rating **       | М           | Issue No. |                       | 64 (cont)   |   |
|----------|----------|-----------------|-------------|-----------|-----------------------|-------------|---|
| LM End   | 1.13     | Issue Type +    | e Type + En |           | Location *            |             |   |
| Category | Suppleme | upplemental     |             |           | GPS Latitude/Longitud |             |   |
| Calegory |          |                 |             | Start     |                       | End         |   |
| Item     | DWR UC   | CIP Field Study |             | 39.1440   | 21 °                  | 39.144021   | 0 |
| пеш      |          |                 |             | -121.5832 | 01 °                  | -121.583201 | 0 |
| DWR ID   |          |                 |             |           |                       |             |   |

#### Inspector Comment

Comment Code

FS\_ID:49949 DS\_ID:19139 EP\_NO: 10787

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: 6/29/2016 According to Frank Miller, LMA representative, line was capped off approximately 5 years ago. Line was backfilled and capped off through the levee. (DWR UCIP omagana)1/1/2014 Frank Miller Superintendent Marysville Levee Commission. To whom it may concern, Marysvile Levee Commission is in proccess of drafting letter to PG&E. to determine line status wether active or non-active as well as cordinates. (LMA Superintendent fmiller)3/14/2013 Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. (DWR UCIP - omagana)

FIELD\_STRUCT\_DESC: \*ABANDONED\* 2-inch steel gas line with concrete cutoff wall, through the levee, 7 feet below crown. Extends parallel to levee 10-feet waterward of levee toe. (Permit No. 10787, 1976 - Pacific Gas and Electric Co. [PG&E]). [Additional Reference(s):

DWR Levee Log, 1993 and 2005]

FS Date: 6/29/2016



View of WS where crossing should be.

| LM Start | 1.16                             | Rating **    | М         | Issue No.     |                        | 32         |  |
|----------|----------------------------------|--------------|-----------|---------------|------------------------|------------|--|
| LM End   | 1.16                             | Issue Type + | Ma        | Location * WS |                        | WS         |  |
| Category | Earthen L                        | arthen Levee |           |               | GPS Latitude/Longitude |            |  |
| Calegory |                                  |              |           | Start         |                        | End        |  |
| Item     | Slope Sta                        | bility       |           | 39.1443       | 92 °                   | 39.144392° |  |
| пеш      |                                  |              | -121.5829 | 30°           | -121.582930°           |            |  |
| DWR ID   | DWR ID DWR_NA0004_03_f _ 2016_32 |              |           |               |                        |            |  |

#### Comment Code S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

#### Inspector Comment

Ruts cut in by vehicle traffic on the landside slope needs repaired. Fall 2016.

## Photo 1 of 1: FA\_2016\_NA0004\_106\_32\_20161013\_00062.jpg



View of ruts cut in by vehicle traffic on the waterside slope. Fall 2016.

Location LS: Land Side N/A: Not Applicable Acceptable N : Not Inspected/Rated Ma: Maintenance Deficiancy WS: Water Side Minimally Acceptable Ob : Design & System Obsolescence C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain En: Enforcement

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 1.28         | Rating **              | М    | Issue No.  | 33 |              |  |  |
|----------|--------------|------------------------|------|------------|----|--------------|--|--|
| LM End   | 1.28         | Issue Type +           | Ма   | Location * | LS |              |  |  |
| Catagony | Earthen L    | GPS Latitude/Longitude |      |            |    |              |  |  |
| Calegory | Category     |                        |      | Start      |    | End          |  |  |
| Item     | Slope Sta    | bility                 |      | 39.14572   | 3° | 39.145723°   |  |  |
| пеш      |              |                        |      |            |    | -121.581323° |  |  |
| DWR ID   | DWR_NA0      | 004_03_f _ 201         | 6_33 |            |    | ·            |  |  |
|          | Comment Code |                        |      |            |    |              |  |  |

S2: Repair the levee slope damaged by foot traffic and prevent access where possible

#### Inspector Comment

Path cut in by foot traffic on the landside slope needs repaired. Fall 2016.

#### Photo 1 of 1: FA\_2016\_NA0004\_106\_33\_20161013\_00063.jpg



View of path cut in by foot traffic on the landside slope that needs repaired. Fall 2016.

| LM Start                         | 1.29     | Rating **              | М         | Issue No.  | 35           |            |
|----------------------------------|----------|------------------------|-----------|------------|--------------|------------|
| LM End                           | 1.33     | Issue Type +           | En        | Location * |              | LS         |
| Category                         | evee     | GPS Latitude/Longitude |           |            |              |            |
| Calegory                         |          | Start                  |           | End        |              |            |
| Item                             | Encroach | ments                  |           | 39.1457    | 57°          | 39.146233° |
| пеш                              |          |                        | -121.5812 | 80°        | -121.580724° |            |
| DWR ID DWR_NA0004_03_f _ 2016_35 |          |                        |           |            |              |            |
| Comment Code                     |          |                        |           |            |              |            |

FE: Fence

#### Inspector Comment

Unpermitted fence encroaches on the levee toe. Fall 2016.

#### Photo 1 of 1: FA\_2016\_NA0004\_106\_35\_20161013\_00064.jpg



View of fence on the landside toe. Fall 2016.

| LM Start | 1.40      | Rating **      | M Issue No.            |            |     | 36           |
|----------|-----------|----------------|------------------------|------------|-----|--------------|
| LM End   | 1.40      | Issue Type +   | Ма                     | Location * |     | LS           |
| Category | Earthen L | evee           | GPS Latitude/Longitude |            |     |              |
| Category |           |                |                        | Start      |     | End          |
| Item     | Vegetatio | n              |                        | 39.14696   | 63° | 39.146963°   |
| пеш      |           |                |                        | -121.57983 | 30° | -121.579830° |
| DWR ID   | DWR_NA0   | 004_03_f _ 201 | 6_36                   |            |     |              |

#### Comment Code

V2: Remove the wild growth other than native grasses from the levee slopes.

#### Inspector Comment

Blackberry bush covering slope needs to be removed.

#### Photo 1 of 1: FA\_2016\_NA0004\_106\_36\_20161013\_00065.jpg



View of Blackberry bush that is covering landside levee slope. Fall 2016.

\* Location LS: Land Side

WS: Water Side

N/A: Not Applicable

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated

C : Corrected

A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start    | 1.53                                    | Rating **      | С        | Issue No.  |        | 31           |  |
|-------------|---|----------------|----------|------------|--------|--------------|--|
| LM End      | 1.53                                    | Issue Type +   | En       | Location * |        | WS           |  |
| Category    | Earthen L                               | evee           |          | GPS La     | atitud | e/Longitude  |  |
| Calegory    |   |                |          | Start      |        | End          |  |
| Item        | Encroachi                               | ments          |          | 39.1482    | 78°    | 39.148278°   |  |
| пеш         |   |                |          | -121.5781  | 98°    | -121.578198° |  |
| DWR ID      | DWR_NA0                                 | 004_03_f _ 201 | 5_31     |            |        |              |  |
|             |   | Comn           | nent Cod | de         |        |              |  |
| PR : Pruni  | ngs                                     |                |          |            |        |              |  |
|             |   | Inspecto       | or Comm  | nent       |        |              |  |
| Pruning's h | Pruning's have been removed. Fall 2016. |                |          |            |        |              |  |
|             |   |                |          |            |        |              |  |
|             |   |                |          |            |        |              |  |

No Photos

Rating \*\* 1.58 U Issue No LM Start 65 Issue Type + Location \* WS LM End 1.58 En Supplemental GPS Latitude/Longitude Category Start End DWR UCIP Field Study 39.148862° 39.148862° -121.577456° -121.577456° DWR ID

Comment Code

Inspector Comment

FS\_ID:49950 DS\_ID:19141 EP\_NO: N/A

Repair Type: Urgent Crossing Status: Not Found

UCIP Comments: 6/29/2016 No markers or signs visible on WS or LS. (DWR UCIP - omagana)1/1/2014 Frank Miller Superintendent Marysville Levee Commission. To whom it may concern, Marysville Levee Commission is in process of drafting a letter to determine line owner as well as line status wether active or non-active as well as cordinates. (LMA Superintendent - fmiller)3/14/2013 Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. (DWR UCIP -

FIELD\_STRUCT\_DESC: 0.75-inch gas line through the levee, 2 feet below crown. Cutoff wall around pipe installed under Permit No. 3683 (1961). Service line extends to overflow area and along waterside (WS) levee toe approximately 125-feet. [Additional Reference(s): DWR Levee Log, 1993 and 2005]

U : Unacceptable

FS Date: 6/29/2016

No Photos

En: Enforcement

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 1.59         | Rating **     | М  | Issue No.  |                        | 66          |   |  |
|----------|--------------|---------------|----|------------|------------------------|-------------|---|--|
| LM End   | 1.59         | Issue Type +  | En | Location * |                        | WS          |   |  |
| Category | Supplemental |               |    |            | GPS Latitude/Longitude |             |   |  |
| Calegory |              |               |    | Start      |                        | End         |   |  |
| Item     | DWR UCI      | P Field Study |    | 39.14889   | 1 °                    | 39.148891   | 0 |  |
| пеш      |              |               |    | -121.57742 | o°                     | -121.577420 | 0 |  |
| DWR ID   |              |               |    |            |                        |             |   |  |

### Inspector Comment

Comment Code

FS\_ID:49951 DS\_ID:25468 EP\_NO: N/A

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: 6/29/2016 Underground Service Alert (USA) markings visible on levee crown. Unable to determine pipe size, depth below crown, or permit authorizing line. Need to find owner and obtain status of crossing. (DWR UCIP - omagana)

FIELD\_STRUCT\_DESC: Sewer line through the levee at an unknown

depth.

FS Date: 6/29/2016

| LM Start | 1.59 | Rating **    | М  | Issue No.  | 66 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End   | 1.59 | Issue Type + | En | Location * | WS        |



View of levee crown at crossing.



View of WS--dense vegetation on slope.

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 1.60         | Rating **              | М  | Issue No.  | 53 |              |  |
|----------|--------------|------------------------|----|------------|----|--------------|--|
| LM End   | 1.60         | Issue Type +           | En | Location * | WS |              |  |
| Category | ental        | GPS Latitude/Longitude |    |            |    |              |  |
| Calegory |              | Start E                |    |            |    |              |  |
| Item     | DWR UCI      | P Field Study          |    | 39.14906   | 3° | 39.149063°   |  |
| пеш      |              |                        |    | -121.57719 | 0° | -121.577190° |  |
| DWR ID   |              |                        |    |            |    |              |  |
|          | Comment Code |                        |    |            |    |              |  |

#### Inspector Comment

FS\_ID:45363 DS\_ID:19142 EP\_NO: 7066

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Unable to take coordinates due to limited access to

waterward side, used desk study coordinates.

FIELD\_STRUCT\_DESC: 14-inch pipe through levee, 6 feet below levee crown. Discharges into Ellis Lake. Slant pump mounted on Metal Pump Stand located approximately 150 feet from waterward toe. (Permit No. 7066B, 7066A, 7066).

FS Date: 3/14/2013



As-built dwg provided by Marysville Water Waste Treatment Plant.

| LM Start                         | 1.61      | Rating **    | М  | Issue No.              | 18   |              |  |
|----------------------------------|-----------|--------------|----|------------------------|------|--------------|--|
| LM End                           | 1.61      | Issue Type + | Ма | Location *             | LS   |              |  |
| Category                         | Earthen L | evee         |    | GPS Latitude/Longitude |      |              |  |
| Category                         |           | Start        |    |                        |      |              |  |
| Item                             | Slope Sta | bility       |    | 39.1490                | 98°  | 39.149098°   |  |
| пеш                              |           |              |    | -121.5771              | 62 ° | -121.577162° |  |
| DWR ID DWR_NA0004_03_f _ 2016_18 |           |              |    |                        |      |              |  |
| Comment Code                     |           |              |    |                        |      |              |  |

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

#### Inspector Comment

Foot path need to be repaired. Fall 2016.

# 10/11//2016

Photo 1 of 1: FA\_2016\_NA0004\_106\_18\_20161013\_00067.jpg

View of foot path that has cut into landside levee slope. Fall 2016.

Page 19 of 31

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 1.65     | Rating **     | М  | Issue No.              |          | 67           |
|----------|----------|---------------|----|------------------------|----------|--------------|
| LM End   | 1.65     | Issue Type +  | En | Location *             | ion * LS |              |
| Category | Suppleme | ental         |    | GPS Latitude/Longitude |          |              |
| Calegory |          |               |    | Start                  |          | End          |
| Item     | DWR UCI  | P Field Study |    | 39.1495                | 74°      | 39.149574°   |
| item     |          |               |    | -121.5765              | 37°      | -121.576537° |
| DWR ID   |          |               |    |                        |          |              |

#### Comment Code

#### Inspector Comment

FS\_ID:49952 DS\_ID:19143 EP\_NO: 3683

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: 6/29/2016 According to Frank Miller, LMA representative, PG&E abandoned line prior to 1980. USA markings indicating line alignment are present on levee crown. (DWR UCIP - omagana)1/1/2014 Frank Miller Superintendent Marysville Levee Commission. To whom it may concern, Marysville Levee Commission is in the process of drafting letter to determine owner as well as line status wether active or non-active as well as cordinates. (LMA Superintendent - fmiller)3/14/2013 Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. (DWR UCIP - omagana)

FIELD\_STRUCT\_DESC: \*ABANDONED\* 0.75-inch gas line through levee, 3 feet below crown. Concrete marker on landside (LS) shoulder. Cutoff wall around pipe installed under Permit No. 3683 (1961). Portion of service line in overflow area was abandoned (cut and capped) and 60 feet of 1/2 inch plastic gasline was installed on waterside (WS) under Permit No. 11538 (1976). [Additional Reference(s): DWR Levee Log, 1993 and 2005]

FS Date: 6/29/2016

| LM Start | 1.65 | Rating **    | М  | Issue No.  | 67 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End   | 1.65 | Issue Type + | En | Location * | LS        |



View of levee crown.



Underground Alert Service (USA) markings visible on LS hinge point.

\* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

\*\* Rating
A: Acceptable N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

\*\* Rating
A: Acceptable M: N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start  | 2.13      | Rating **      | Α         | Issue No.    |        | 37           |  |
|---|-----------|----------------|-----------|--------------|--------|--------------|--|
| LM End  | 2.99      | Issue Type +   | Ma        | Location *   |        | LS           |  |
| Category  | Earthen L | evee           |           | GPS La       | atitud | e/Longitude  |  |
| Calegory  |           |                |           | Start        |        | End          |  |
| Item  | Vegetatio | n              |           | 39.1542      | 98°    | 39.163534°   |  |
| пеш   |           |                |           | -121.5700    | 27°    | -121.559559° |  |
| DWR ID  | DWR_NA0   | 004_03_f _ 201 | 6_37      |              |        |              |  |
|   |           | Comn           | nent Cod  | de           |        |              |  |
| V1 : Contro<br>easements                                      |           | rass and wee   | eds on th | e levee slop | pes a  | and          |  |
| Inspector Comment   |           |                |           |              |        |              |  |
| Well maintained annual vegetation in this section. Fall 2016. |           |                |           |              |        |              |  |
|   |           |                |           |              |        |              |  |
|   |           |                |           |              |        |              |  |



View of landside looking upstream at vegetation that is well maintained. Fall 2016.

| LM Start               | 2.13                             | Rating **    | Α  | Issue No.              | 38  |               |  |  |
|------------------------|----------------------------------|--------------|----|------------------------|-----|---------------|--|--|
| LM End                 | 4.26                             | Issue Type + | Ма | Location *             | WS  |               |  |  |
| Category Earthen Levee |                                  |              |    | GPS Latitude/Longitude |     |               |  |  |
| Category               |                                  |              |    | Start                  |     | End           |  |  |
| Item                   | Vegetatio                        | n            |    | 39.1542                | 99° | 39.178421 °   |  |  |
| пеш                    |                                  |              |    | -121.5700              | 28° | -121.545860 ° |  |  |
| DWR ID                 | DWR ID DWR_NA0004_03_f _ 2016_38 |              |    |                        |     |               |  |  |
|                        | Comment Code                     |              |    |                        |     |               |  |  |

V1: Control annual grass and weeds on the levee slopes and easements.

#### Inspector Comment

Well maintained annual vegetation in this section. Fall 2016.

### Photo 1 of 1: FA\_2016\_NA0004\_106\_38\_20161013\_00083.jpg



View of waterside looking upstream at vegetation that is well maintained. Fall 2016.

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start                  | 2.15       | Rating **             | M        | Issue No.     |         | 39           |  |  |
|---------------------------|------------|-----------------------|----------|---------------|---------|--------------|--|--|
| LM End                    | 2.15       | Issue Type +          | Ma       | Location *    |         | LS           |  |  |
| Earthen Levee             |            |                       |          | GPS La        | atitude | e/Longitude  |  |  |
| Category                  |            |                       |          | Start         |         | End          |  |  |
| Item                      | Slope Stal | oility                |          | 39.1544       | 40°     | 39.154440 °  |  |  |
| пеш                       |            | -121.569839 ° -121.56 |          |               |         |              |  |  |
| DWR ID                    | DWR_NA00   | 004_03_f _ 201        | 6_39     |               |         | ·            |  |  |
|                           |            | Comn                  | nent Coc | le            |         |              |  |  |
| S2 : Repair<br>where poss |            | slope damag           | ed by fo | ot traffic an | d pre   | event access |  |  |
|                           |            | Inspecto              | or Comm  | ent           |         |              |  |  |
|                           |            |                       |          |               |         |              |  |  |
|                           |            |                       |          |               |         |              |  |  |
|                           |            |                       |          |               |         |              |  |  |

Photo 1 of 1: FA\_2016\_NA0004\_106\_39\_20161013\_00082.jpg



View looking upstream of foot path that has cut into the landside levee slope. Fall 2016.

| LM Start | 2.18     | Rating **     | М                      | Issue No.  |     | 48           |
|----------|----------|---------------|------------------------|------------|-----|--------------|
| LM End   | 2.18     | Issue Type +  | En                     | Location * |     | LS           |
| Category | Suppleme | ental         | GPS Latitude/Longitude |            |     |              |
| Category |          |               |                        |            |     | End          |
| Item     | DWR UCI  | P Field Study |                        | 39.1547    | 35° | 39.154735°   |
| item     |          |               |                        | -121.5694  | 19° | -121.569419° |
| DWR ID   |          |               |                        |            |     |              |

#### Comment Code

#### Inspector Comment

FS\_ID:40999 DS\_ID:19145 EP\_NO: 2149

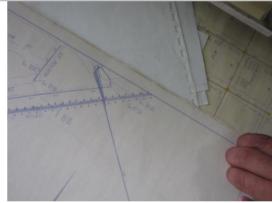
Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Depression observed on waterward toe filled with concrete rubble and riprap. Need to coordinate with City to determine records and extent of modifications if any.

FIELD\_STRUCT\_DESC: 1 of 4: 17th & Howell Pump Station. 24-inch steel drain pipe (instead of 30 inch as specified in permit), buried 15feet below the crown. Runs parallel to other drainpipes, encased in concrete approx. 1-foot spacing. Pipe extends from storm water pump house to manhole (259 feet) north of landward toe. Flap gates and vent pipes at waterward toe. Discharges into concrete distribution box (3x4) foot). (Permit No. 2149-1956).

FS Date: 3/14/2013

#### Photo 1 of 2: UCIP\_FA\_2016\_40999\_69830.jpg



As-built provided by Marysville Water Treatment Facility.

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 2.18         | Rating **     | М     | Issue No.              |      | 48 (cont)   |   |
|----------|--------------|---------------|-------|------------------------|------|-------------|---|
| LM End   | 2.18         | Issue Type +  | En    | Location *             |      | LS          |   |
| Category | Supplemental |               |       | GPS Latitude/Longitude |      |             |   |
| Calegory |              |               | Start |                        | End  |             |   |
| Item     | DWR UCI      | P Field Study |       | 39.15473               | 35 ° | 39.154735   | 0 |
| пеш      |              |               |       | -121.56941             | 19°  | -121.569419 | 0 |
| DWR ID   |              |               |       |                        |      |             |   |

#### Inspector Comment

Comment Code

FS\_ID:40999 DS\_ID:19145 EP\_NO: 2149

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Depression observed on waterward toe filled with concrete rubble and riprap. Need to coordinate with City to determine

records and extent of modifications if any.

FIELD\_STRUCT\_DESC: 1 of 4: 17th & Howell Pump Station. 24-inch steel drain pipe (instead of 30 inch as specified in permit), buried 15feet below the crown. Runs parallel to other drainpipes, encased in concrete approx. 1-foot spacing. Pipe extends from storm water pump house to manhole (259 feet) north of landward toe. Flap gates and vent pipes at waterward toe. Discharges into concrete distribution box (3x4) foot). (Permit No. 2149-1956).

FS Date: 3/14/2013

## Photo 2 of 2: UCIP\_FA\_2016\_40999\_69829.jpg



View of waterward side--concrete box and vent pipes located on waterward slope.

| LM Start | 2.18     | Rating **     | М           | Issue No.   |     | 47           |   |
|----------|----------|---------------|-------------|-------------|-----|--------------|---|
| LM End   | 2.18     | Issue Type +  | Type + En I |             | LS  |              |   |
| Category | Suppleme | ental         |             | GPS Latitud |     | de/Longitude |   |
| Category |          |               |             | Start       |     | End          |   |
| Item     | DWR UCI  | P Field Study |             | 39.15474    | 1 ° | 39.154741    | 0 |
| пеш      |          |               |             | -121.56941  | 3°  | -121.569413  | 0 |
| DWR ID   |          |               |             |             |     |              |   |

Comment Code

Inspector Comment FS\_ID:40998 DS\_ID:19160

EP\_NO: 2149 Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Depression observed on waterward toe filled with concrete rubble and riprap. Need to coordinate with City to determine

records and extent of modifications if any.

FIELD\_STRUCT\_DESC: 2 of 4: 17th & Howell Pump Station. 10-inch steel drain pipe, buried 15-feet below the crown. Runs parallel to other drainpipes, encased in concrete approx. 1-foot spacing. Pipe extends from storm water pump house to manhole (259 feet) north of landward toe. Flap gates and vent pipes at waterward toe. Discharges into concrete distribution box (3x4 foot). (Permit No. 2149-1956).

FS Date: 3/14/2013

## Photo 1 of 2: UCIP\_FA\_2016\_40998\_69835.jpg



As-builts provided by Marysville Water Treatment.

| * Location                          | ** Rating                |   | + Issue Type                      |
|-------------------------------------|--------------------------|---|-----------------------------------|
| LS : Land Side N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiancy       |
| WS: Water Side                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |
| CR : Crown                          | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 2.18     | Rating **     | М                      | Issue No.  |      | 47 (cont)     |
|----------|----------|---------------|------------------------|------------|------|---------------|
| LM End   | 2.18     | Issue Type +  | En                     | Location * |      | LS            |
| Category | Suppleme | ental         | GPS Latitude/Longitude |            |      |               |
| Calegory |          |               |                        | Start      |      | End           |
| Item     | DWR UC   | P Field Study |                        | 39.1547    | 41 ° | 39.154741 °   |
| пеш      |          |               |                        | -121.5694  | 13°  | -121.569413 ° |
| DWR ID   |          |               |                        |            |      |               |

Comment Code

#### Inspector Comment

FS\_ID:40998 DS\_ID:19160 EP\_NO: 2149

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Depression observed on waterward toe filled with concrete rubble and riprap. Need to coordinate with City to determine records and extent of modifications if any.

FIELD\_STRUCT\_DESC: 2 of 4: 17th & Howell Pump Station. 10-inch steel drain pipe, buried 15-feet below the crown. Runs parallel to other drainpipes, encased in concrete approx. 1-foot spacing. Pipe extends from storm water pump house to manhole (259 feet) north of landward toe. Flap gates and vent pipes at waterward toe. Discharges into concrete distribution box (3x4 foot). (Permit No. 2149-1956).

FS Date: 3/14/2013

## Photo 2 of 2: UCIP\_FA\_2016\_40998\_69834.jpg

Concrete box and vent pipes located on waterward slope.

| LM Start | 2.18         | Rating **     | М  | Issue No.              |      | 49           |
|----------|--------------|---------------|----|------------------------|------|--------------|
| LM End   | 2.18         | Issue Type +  | En | Location *             |      | LS           |
| Category | Supplemental |               |    | GPS Latitude/Longitude |      |              |
| Category |              |               |    | Start                  |      | End          |
| Item     | DWR UCI      | P Field Study |    | 39.1547                | 46°  | 39.154746°   |
| item     |              |               |    | -121.5694              | 06 ° | -121.569406° |
| DWR ID   |              |               |    |                        |      |              |

#### Comment Code

#### Inspector Comment

FS\_ID:41000 DS\_ID:19162 EP\_NO: 2149

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Depression observed on waterward toe filled with concrete rubble and riprap. Need to coordinate with City to determine records and extent of modifications if any.

FIELD\_STRUCT\_DESC: 3 of 4: 17th & Howell Pump Station. 24-inch steel drain pipe (instead of 30 inch as specified in permit), buried 15feet below the crown. Runs parallel to other drainpipes, encased in concrete approx. 1-foot spacing. Pipe extends from storm water pump house to manhole (259 feet) north of landward toe. Flap gates and vent pipes at waterward toe. Discharges into concrete distribution box (3x4 foot). (Permit No. 2149-1956).

FS Date: 3/14/2013

#### Photo 1 of 2: UCIP\_FA\_2016\_41000\_69840.jpg



As-built dwg of crossing provided by Marysville Water Treatment.

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start | 2.18                   | Rating **     | М  | Issue No.  |               | 49 (cont)   |   |
|----------|------------------------|---------------|----|------------|---------------|-------------|---|
| LM End   | 2.18                   | Issue Type +  | En | Location * | Location * LS |             |   |
| Category | GPS Latitude/Longitude |               |    |            |               |             |   |
| Calegory | Category               |               |    |            | Start         |             |   |
| Item     | DWR UCI                | P Field Study |    | 39.1547    | 46 °          | 39.154746   | 0 |
| пеш      |                        |               |    | -121.5694  | 06°           | -121.569406 | 0 |
| DWR ID   | DWR ID                 |               |    |            |               |             |   |
|          | Comment Code           |               |    |            |               |             |   |

#### Inspector Comment

FS\_ID:41000 DS\_ID:19162 EP\_NO: 2149

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Depression observed on waterward toe filled with concrete rubble and riprap. Need to coordinate with City to determine records and extent of modifications if any.

FIELD\_STRUCT\_DESC: 3 of 4: 17th & Howell Pump Station. 24-inch steel drain pipe (instead of 30 inch as specified in permit), buried 15-feet below the crown. Runs parallel to other drainpipes, encased in concrete approx. 1-foot spacing. Pipe extends from storm water pump house to manhole (259 feet) north of landward toe. Flap gates and vent pipes at waterward toe. Discharges into concrete distribution box (3x4 foot). (Permit No. 2149-1956).

FS Date: 3/14/2013

#### Photo 2 of 2: UCIP\_FA\_2016\_41000\_69839.jpg



View of waterward side.

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start     | 2.18     | Rating **     | М  | Issue No.              |      | 50            |
|--------------|----------|---------------|----|------------------------|------|---------------|
| LM End       | 2.18     | Issue Type +  | En | Location *             |      | LS            |
| Supplemental |          |               |    | GPS Latitude/Longitude |      |               |
| Calegory     | Category |               |    |                        |      | End           |
| Item         | DWR UCI  | P Field Study |    | 39.15475               | 52°  | 39.154752 °   |
| пеш          |          |               |    | -121.56939             | 95 ° | -121.569395 ° |
| DWR ID       |          |               |    |                        |      |               |

#### Inspector Comment

Comment Code

FS\_ID:41001 DS\_ID:19161 EP\_NO: 2149

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Depression observed on waterward toe filled with concrete rubble and riprap. Need to coordinate with City to determine records and extent of modifications if any.

FIELD\_STRUCT\_DESC: 4 of 4: 17th & Howell Pump Station. 24-inch steel drain pipe (instead of 30 inch as specified in permit), buried 15-feet below the crown. Runs parallel to other drainpipes, encased in concrete approx. 1-foot spacing. Pipe extends from storm water pump house to manhole (259 feet) north of landward toe. Flap gates and vent pipes at waterward toe. Discharges into concrete distribution box (3x4 foot). (Permit No. 2149-1956).

FS Date: 3/14/2013

| LM Start | 2.18 | Rating **    | М  | Issue No.  | 50 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End   | 2.18 | Issue Type + | En | Location * | LS        |

# Photo 1 of 2: UCIP\_FA\_2016\_41001\_69821.jpg

City of Marysville Wastewater Treatment Facility records indicating multiple crossings through levee.

#### Photo 2 of 2: UCIP\_FA\_2016\_41001\_69826.jpg



View of waterward side.

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start                                  | 2.21      | Rating **      | М                      | Issue No.     |              | 40           |  |
|---|-----------|----------------|------------------------|---------------|--------------|--------------|--|
| LM End                                    | 2.21      | Issue Type +   | Ma                     | Location *    |              | LS           |  |
|   | Earthen L | evee           | GPS Latitude/Longitude |               |              |              |  |
| Category                                  |           |                |                        | Start         |              | End          |  |
| Item                                      | Slope Sta | bility         |                        | 39.1550       | 76°          | 39.155076°   |  |
| item                                      |           |                | -121.5689              | 70°           | -121.568970° |              |  |
| DWR ID                                    | DWR_NA0   | 004_03_f _ 201 | 6_40                   |               |              |              |  |
|   |           | Comn           | nent Cod               | de            |              |              |  |
| S2 : Repai<br>where pos                   |           | slope damag    | jed by fo              | ot traffic an | d pre        | event access |  |
| Inspector Comment                         |           |                |                        |               |              |              |  |
| Foot path need to be repaired. Fall 2016. |           |                |                        |               |              |              |  |
|   |           |                |                        |               |              |              |  |
|   |           |                |                        |               |              |              |  |



View looking downstream of foot path that has cut into the landside levee slope. Fall 2016.

| LM Start | 2.55                            | Rating **              | М  | Issue No.  |      | 41           |  |
|----------|---------------------------------|------------------------|----|------------|------|--------------|--|
| LM End   | 2.55                            | Issue Type +           | Ма | Location * | LS   |              |  |
| Category | evee                            | GPS Latitude/Longitude |    |            |      |              |  |
| Category |                                 |                        |    | Start      |      | End          |  |
| Item     | Slope Sta                       | bility                 |    | 39.1585    | 09°  | 39.158509°   |  |
| пеш      |                                 |                        |    | -121.5644  | 23 ° | -121.564423° |  |
| DWR ID   | WR ID DWR_NA0004_03_f _ 2016_41 |                        |    |            |      |              |  |
|          | Comment Code                    |                        |    |            |      |              |  |

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

#### Inspector Comment

Foot path need to be repaired. Fall 2016.

#### Photo 1 of 1: FA\_2016\_NA0004\_106\_41\_20161013\_00080.jpg



View looking downstream of foot path that has cut into the landside slope. Fall 2016.

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

|  | 1  |                |          |               |        |              |  |
|--|--|----------------|----------|---------------|--------|--------------|--|
| LM Start   | 2.99   | Rating **      | М        | Issue No.     |        | 42           |  |
| LM End   | 4.83   | Issue Type +   | Ma       | Location *    |        | LS           |  |
| Category   | Earthen L  | evee           |          | GPS La        | atitud | e/Longitude  |  |
| Calegory   |  |                |          | Start         |        | End          |  |
| Item   | Vegetatio  | n              |          | 39.163534°    |        | 39.185247°   |  |
| пеш  |  |                |          | -121.559559 ° |        | -121.539957° |  |
| DWR ID   | DWR_NA0  | 004_03_f _ 201 | 6_42     |               |        |              |  |
|  |  | Comn           | nent Cod | de            |        |              |  |
|  | V1 : Control annual grass and weeds on the levee slopes and easements. |                |          |               |        |              |  |
| Inspector Comment  |  |                |          |               |        |              |  |
| Need to maintained annual vegetation in this section. Fall 2016. |  |                |          |               |        |              |  |

Photo 1 of 1: FA\_2016\_NA0004\_106\_42\_20161013\_00074.jpg

PUBLIC DUMPING
RECYCLING CENTER
800 FEET AHEAD

View of vegetation on the landside slope looking upstream. Fall 2016.

| LM Start     | 3.30    | Rating **              | М  | Issue No.  |      | 51           |  |
|--------------|---------|------------------------|----|------------|------|--------------|--|
| LM End       | 3.30    | Issue Type +           | En | Location * | LS   |              |  |
| Category     | ental   | GPS Latitude/Longitude |    |            |      |              |  |
| Calegory     | egory   |                        |    |            |      | End          |  |
| Item         | DWR UCI | P Field Study          |    | 39.1675    | 90°  | 39.167590°   |  |
| пеш          |         |                        |    | -121.5569  | 03 ° | -121.556903° |  |
| DWR ID       |         |                        |    |            |      |              |  |
| Comment Code |         |                        |    |            |      |              |  |

#### Inspector Comment

FS\_ID:41002 DS\_ID:19116 EP\_NO: 15010

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Need to contact owner to determine status. Manholes present at the following locations: 39.166742598 -121.55771393, 39.165767008 -121.558388687, 39.164557033 -121.559197594 FIELD\_STRUCT\_DESC: 8-inch fusion welded polyethylene gravity sewer pipe through levee, 8-feet below the levee crown. Shut-off valve within manhole located 46-feet waterward of levee shoulder. Encased in reinforced concrete through levee section. Extends parallel to levee, 10-feet from toe. (Permit No. 15010-1989).

FS Date: 3/14/2013

#### Photo 1 of 2: UCIP\_FA\_2016\_41002\_25149.jpg



Manhole located on landward toe.

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start     | 3.30         | Rating **     | М  | Issue No.              |      | 51 (cont)    |  |
|--------------|--------------|---------------|----|------------------------|------|--------------|--|
| LM End       | 3.30         | Issue Type +  | En | Location * LS          |      | LS           |  |
| Supplemental |              |               |    | GPS Latitude/Longitude |      |              |  |
| Calegory     | Jalegory     |               |    |                        |      | End          |  |
| Item         | DWR UCI      | P Field Study |    | 39.1675                | 90°  | 39.167590°   |  |
| пеш          |              |               |    | -121.55690             | )3 ° | -121.556903° |  |
| DWR ID       | OWR ID       |               |    |                        |      |              |  |
|              | Comment Code |               |    |                        |      |              |  |

#### Inspector Comment

FS\_ID:41002 DS\_ID:19116 EP\_NO: 15010

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Need to contact owner to determine status. Manholes present at the following locations: 39.166742598 -121.55771393, 39.165767008 -121.558388687, 39.164557033 -121.559197594 FIELD\_STRUCT\_DESC: 8-inch fusion welded polyethylene gravity sewer pipe through levee, 8-feet below the levee crown. Shut-off valve within manhole located 46-feet waterward of levee shoulder. Encased in reinforced concrete through levee section. Extends parallel to levee, 10feet from toe. (Permit No. 15010-1989).

FS Date: 3/14/2013

## Photo 2 of 2: UCIP\_FA\_2016\_41002\_25148.jpg



View of landward side.

|                        | LM Start | 4.26       | Rating **      | M                      | Issue No.  |     | 43          |   |
|------------------------|----------|------------|----------------|------------------------|------------|-----|-------------|---|
|                        | LM End   | 4.83       | Issue Type +   | Ma                     | Location * |     | WS          |   |
| Category Earthen Levee |          |            |                | GPS Latitude/Longitude |            |     |             |   |
|                        | Calegory |            | Start          |                        | End        |     |             |   |
|                        | Item     | Vegetation |                |                        | 39.1784    | 20° | 39.185247   | 0 |
|                        | item     |            |                |                        |            | 53° | -121.539957 | 0 |
|                        | DWR ID   | DWR_NA0    | 004_03_f _ 201 | 6_43                   |            |     |             |   |

#### Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

#### Inspector Comment

Need to maintained annual vegetation in this section. Fall 2016.

#### Photo 1 of 1: FA\_2016\_NA0004\_106\_43\_20161013\_00073.jpg



View of vegetation on the waterside slope looking upstream. Fall 2016.

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start                         | 4.58                   | Rating **    | М  | Issue No.  | 34   |             |   |
|----------------------------------|------------------------|--------------|----|------------|------|-------------|---|
| LM End                           | 4.58                   | Issue Type + | Ma | Location * | LS   |             |   |
| Category                         | GPS Latitude/Longitude |              |    |            |      |             |   |
| Calegory                         | Category               |              |    |            |      | End         |   |
| ltom                             | Vegetation             |              |    |            | 17°  | 39.182347   | 0 |
| пеш                              | Item                   |              |    |            | 14 ° | -121.542744 | 0 |
| DWR ID DWR_NA0004_03_f _ 2013_34 |                        |              |    |            |      |             |   |
| Comment Code                     |                        |              |    |            |      |             |   |

V2 : Remove the wild growth other than native grasses from the levee slopes.

#### Inspector Comment

Blackberries on landward levee slope.

#### Photo 1 of 1: FA\_2016\_NA0004\_106\_34\_20161013\_00079.jpg



View of Black berries that are starting to cover landside slope, looking upstream. Fall 2016.

| LM Start                         | 4.81            | Rating **    | М  | Issue No.              |      | 44            |  |  |
|----------------------------------|-----------------|--------------|----|------------------------|------|---------------|--|--|
| LM End                           | 4.81            | Issue Type + | Ма | Location *             |      | WS            |  |  |
| Category Earthen Levee           |                 |              |    | GPS Latitude/Longitude |      |               |  |  |
| Category                         |                 |              |    | Start                  |      | End           |  |  |
| Item                             | Slope Stability |              |    | 39.1851                | 08°  | 39.185108°    |  |  |
| пеш                              |                 |              |    | -121.5404              | 11 ° | -121.540411 ° |  |  |
| DWR ID DWR_NA0004_03_f _ 2016_44 |                 |              |    |                        |      |               |  |  |

#### Comment Code

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

#### Inspector Comment

Vehicle ruts on slope need to be repaired. Fall 2016.

#### Photo 1 of 1: FA\_2016\_NA0004\_106\_44\_20161013\_00078.jpg



View looking upstream of vehicle ruts on waterside slope. Fall 2016.

| LM Start                        | 4.88       | Rating **    | U          | Issue No.              |              | 1          |  |  |
|---------------------------------|------------|--------------|------------|------------------------|--------------|------------|--|--|
| LM End                          | 6.79       | Issue Type + | En         | Location *             | CR           |            |  |  |
| Category Earthen Levee          |            |              |            | GPS Latitude/Longitude |              |            |  |  |
| Calegory                        | Category   |              |            |                        |              | End        |  |  |
| Item                            | Vegetation |              |            |                        | 76°          | 39.202512° |  |  |
| item                            |            |              | -121.53939 | 95 °                   | -121.511048° |            |  |  |
| DWR ID DWR_NA0004_03_s _ 2012_1 |            |              |            |                        |              | ·          |  |  |
| Comment Code                    |            |              |            |                        |              |            |  |  |

#### V6: Landscaping

#### Inspector Comment

This section of levee is a non-project levee from Levee miles 4.88 to the end. Not inspected due to limited access from livestock fencing. Levee crown has been mowed. Trees need to be trimmed to maintain vehicle access.

#### Photo 1 of 2: FA\_2016\_NA0004\_106\_1\_20160906\_00001.jpg



Marysville, Unit 3 - Spring 2013 - Patrol road vegetation.

| * Location   | ** Rating  |   | + Issue Type   |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

#### Levee Inspection Report By Mile - Fall 2016

#### **Marysville Levee Commission**

| Waterway               | Bank  | Unit Miles | Inspection<br>Start/End  | Inspector        |
|------------------------|-------|------------|--------------------------|------------------|
| Unit No. 03 Yuba River | Right | 6.79       | 10/11/2016<br>10/11/2016 | Sterling<br>York |

| LM Start     | 4.88                            | Rating **    | U     | Issue No.              |     | 1 (cont)     |  |
|--------------|---------------------------------|--------------|-------|------------------------|-----|--------------|--|
| LM End       | 6.79                            | Issue Type + | En    | Location *             |     | CR           |  |
| Category     | Earthen Levee                   |              |       | GPS Latitude/Longitude |     |              |  |
| Calegory     |                                 |              | Start |                        | End |              |  |
| Item         | Vegetation                      |              |       | 39.185776°             |     | 39.202512°   |  |
| item         |                                 |              |       | -121.539395 °          |     | -121.511048° |  |
| DWR ID       | DWR ID DWR_NA0004_03_s _ 2012_1 |              |       |                        |     |              |  |
| Comment Code |                                 |              |       |                        |     |              |  |

V6 : Landscaping

This is on the patrol road.

#### Inspector Comment

This section of levee is a non-project levee from Levee miles 4.88 to the end. Not inspected due to limited access from livestock fencing. Levee crown has been mowed. Trees need to be trimmed to maintain vehicle access.

## Photo 2 of 2: FA\_2016\_NA0004\_106\_1\_20161013\_00076.jpg



Marysville, Unit 3 - Fall 2016 - Patrol road vegetation. This portion of levee is not maintained.

| LM Start | 5.47                             | Rating ""    | IVI                    | issue ivo.   |     | 10               |  |  |  |  |  |
|----------|----------------------------------|--------------|------------------------|--------------|-----|------------------|--|--|--|--|--|
| LM End   | 5.47                             | Issue Type + | En                     | Location *   |     | CR               |  |  |  |  |  |
| Category | Earthen L                        |              | GPS Latitude/Longitude |              |     |                  |  |  |  |  |  |
| Category |                                  |              |                        | Start        |     | End              |  |  |  |  |  |
| Item     | ments                            | 39.190993°   |                        | ° 39.190993° |     |                  |  |  |  |  |  |
| Item     | item                             |              |                        |              | 50° | 60° -121.530650° |  |  |  |  |  |
| DWR ID   | DWR ID DWR_NA0004_03_s _ 2012_10 |              |                        |              |     |                  |  |  |  |  |  |
|          | Comment Code                     |              |                        |              |     |                  |  |  |  |  |  |
| RA: Ramp |                                  |              |                        |              |     |                  |  |  |  |  |  |
|          |                                  |              |                        |              |     |                  |  |  |  |  |  |
|          | Inspector Comment                |              |                        |              |     |                  |  |  |  |  |  |

\_2016\_NA0004\_106\_10\_20160906\_00005.jpg



This ramp is on the patrol road, no known permit.